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PASSWORD:

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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:15:50 ON 26 JAN 2005

=> file registry

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
0.42

TOTAL
SESSION
0.42

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:17:09 ON 26 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8
DICTIONARY FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

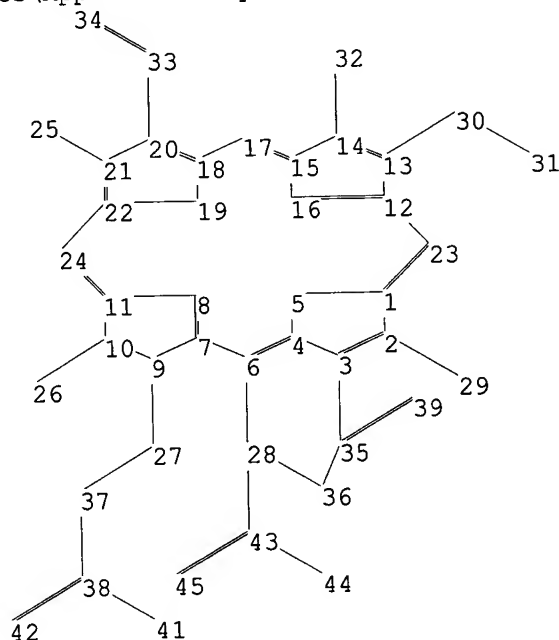
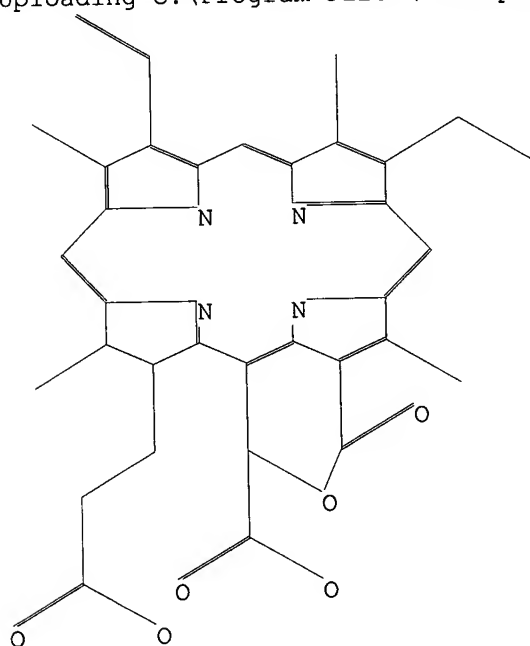
Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\Application queries\10718734a.str



chain nodes :
25 26 27 29 30 31 32 33 34 37 38 39 41 42 43 44 45

ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 28 35 36

chain bonds :

2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-37 28-43 30-31 33-34 35-39
 37-38 38-41 38-42 43-44 43-45
 ring bonds :
 1-2 1-5 1-23 2-3 3-4 3-35 4-5 4-6 6-7 6-28 7-8 7-9 8-11 9-10 10-11
 11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
 20-21 21-22 22-24 28-36 35-36
 exact/norm bonds :
 1-5 3-35 4-5 6-28 7-9 9-10 10-11 12-13 13-14 14-15 18-19 19-22 28-36
 35-36 35-39 38-41 38-42 43-44 43-45
 exact bonds :
 2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-37 28-43 30-31 33-34 37-38
 normalized bonds :
 1-2 1-23 2-3 3-4 4-6 6-7 7-8 8-11 11-24 12-16 12-23 15-16 15-17 17-18
 18-20 20-21 21-22 22-24

G1:O,N

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:CLASS
 29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:CLASS 35:Atom 36:Atom 37:CLASS
 38:CLASS 39:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS

L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

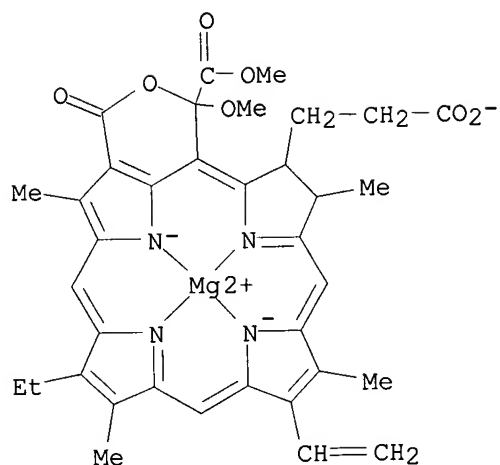
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100.0% PROCESSED 50 ITERATIONS 39 ANSWERS
 SEARCH TIME: 00.00.01

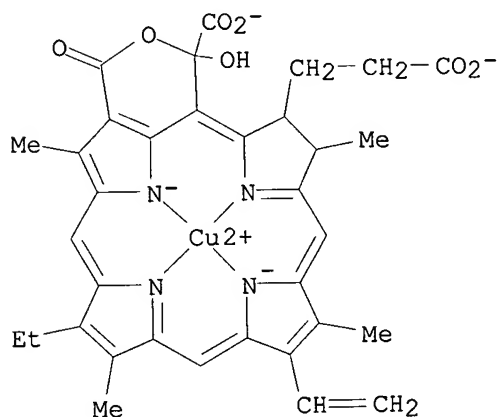
L3 39 SEA SSS FUL L1

=> d l3 1-33

L3 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 790633-85-1 REGISTRY
 CN Magnesate(1-), [(15S,16S,18S)-10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-(9CI) (CA INDEX NAME)
 MF C36 H35 Mg N4 O7
 CI CCS, COM
 SR CA



L3 ANSWER 2 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 731763-45-4 REGISTRY
 CN Cuprate(2-), [(15S,16S)-18-carboxy-10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-hydroxy-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(4-)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 MF C34 H30 Cu N4 O7
 CI CCS, COM
 SR CA

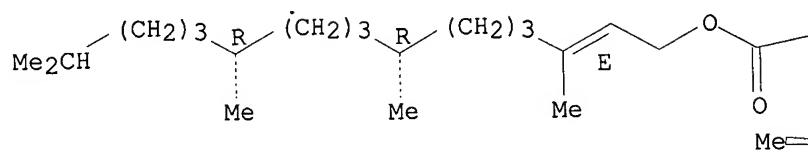


L3 ANSWER 3 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 676521-41-8 REGISTRY
 CN 20H-9,12-Imino-2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (15S,16S)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C55 H74 N4 O7
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence);
PREP (Preparation); USES (Uses)

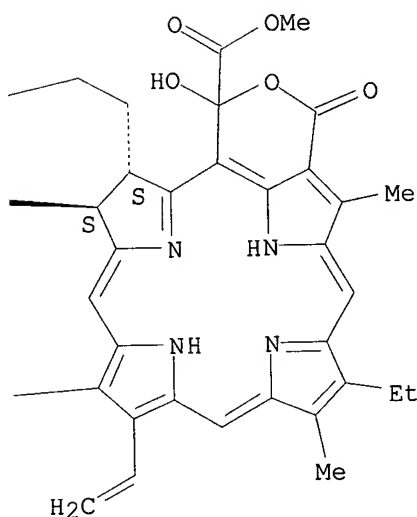
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



Me

PAGE 1-B



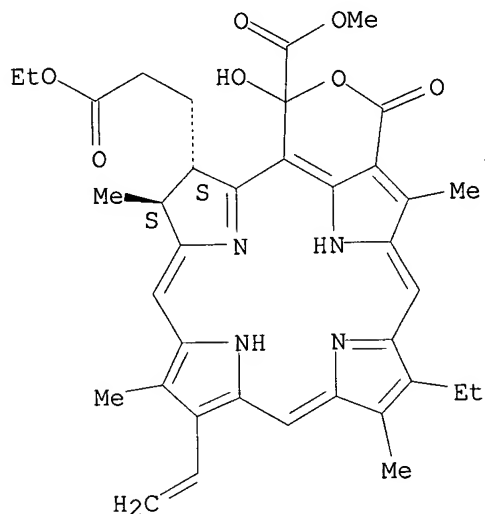
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 676521-40-7 REGISTRY
CN 20H-9,12-Imino-2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-, ethyl ester, (15S,16S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C37 H40 N4 O7
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses)

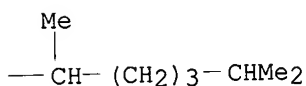
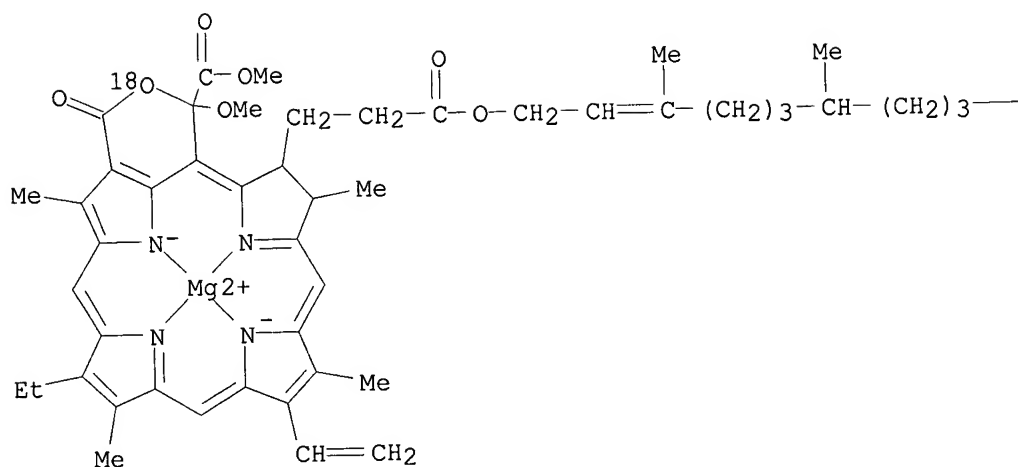
Absolute stereochemistry.



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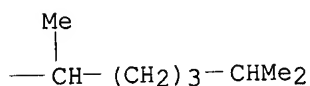
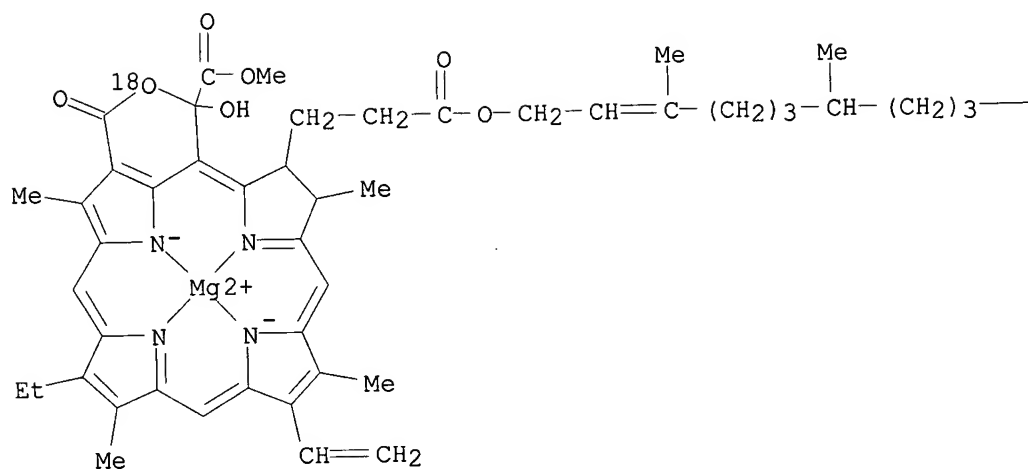
2 REFERENCES IN FILE CA (1907 TO DATE)
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L3 ANSWER 5 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 445423-87-0 REGISTRY
 CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (15S,16S,18S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-methoxy-18-
 (methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
 7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-19-18O-16-propanoato(2-
)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
 NAME)
 MF C56 H74 Mg N4 O7
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
 PROC (Process); PRP (Properties)



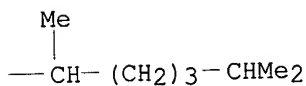
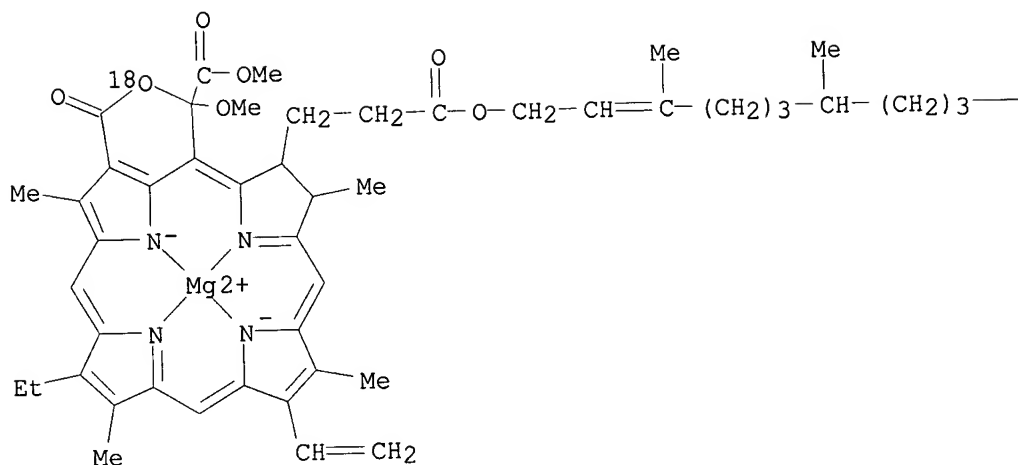
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
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(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-19-18O-16-propanoato(2-
)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C55 H72 Mg N4 O7
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process); PRP (Properties)



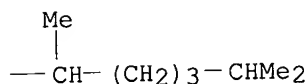
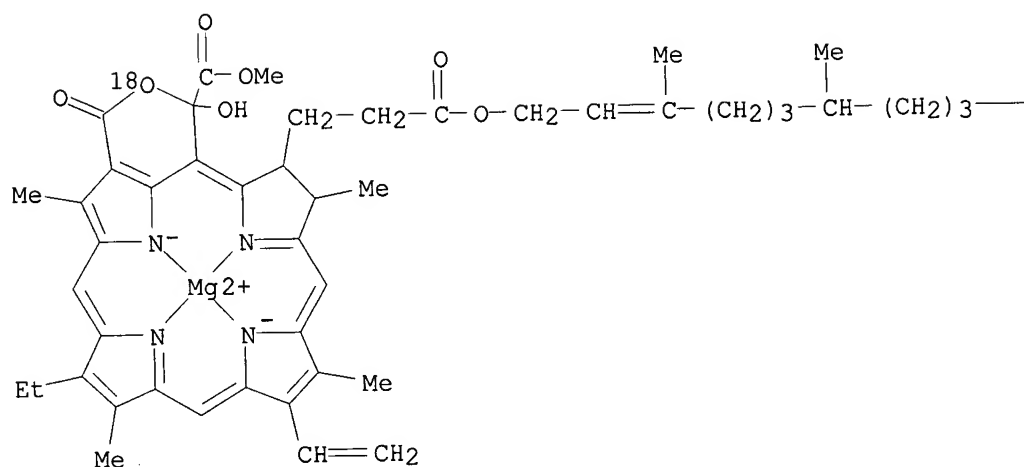
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 445396-84-9 REGISTRY
CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S,18R)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-methoxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-19-18O-16-propanoato(2-
)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C56 H74 Mg N4 O7
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process); PRP (Properties)



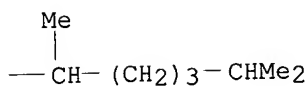
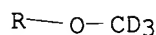
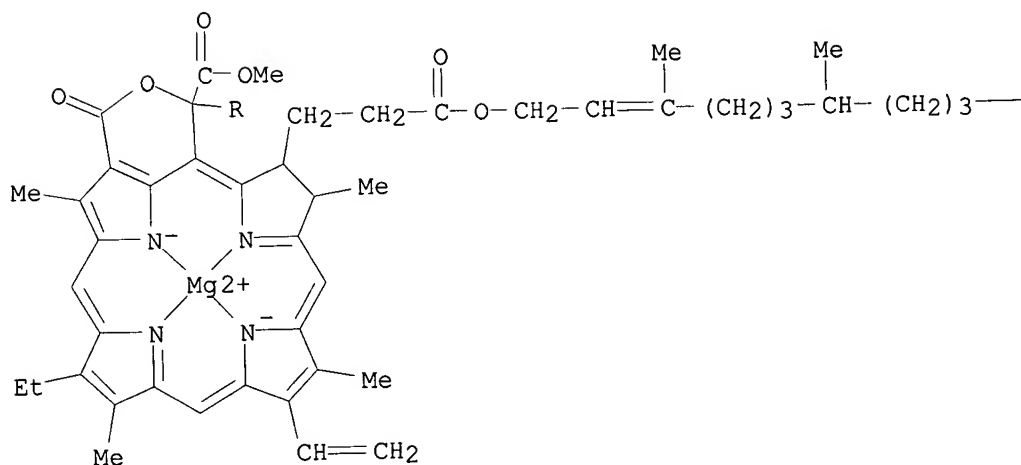
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 445396-83-8 REGISTRY
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(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-19-18O-16-propanoato(2-
)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C55 H72 Mg N4 O7
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
PROC (Process); PRP (Properties)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

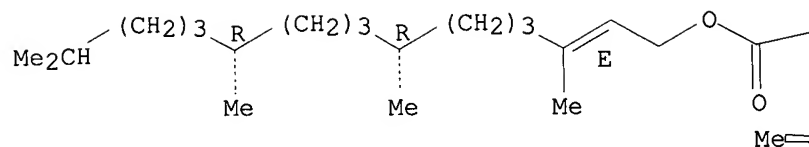
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RN 410083-57-7 REGISTRY
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(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-20H-9,12-imino-2,21-
metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-
)-κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
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DT.CA Caplus document type: Journal
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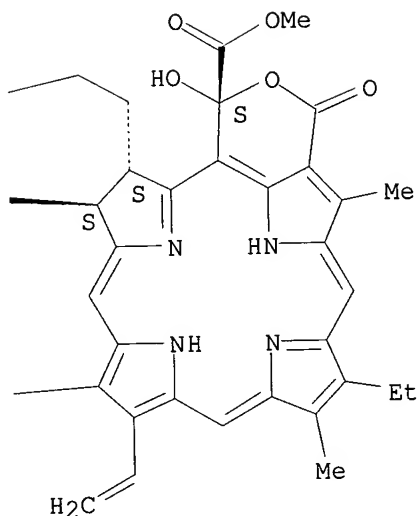
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CN 20H-9,12-Imino-2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (15S,16S,18S)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C55 H74 N4 O7
SR CA
LC . STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties)

Absolute stereochemistry.
Double bond geometry as shown.



Me—



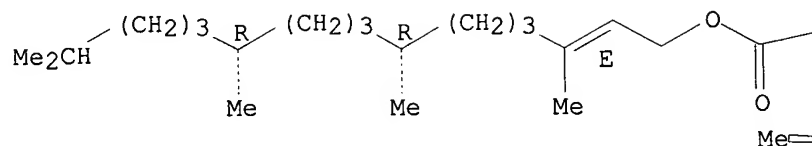
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RN 261730-60-3 REGISTRY
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FS STEREOSEARCH
MF C55 H72 N4 O8
SR CA
LC STN Files: CA, CAPLUS
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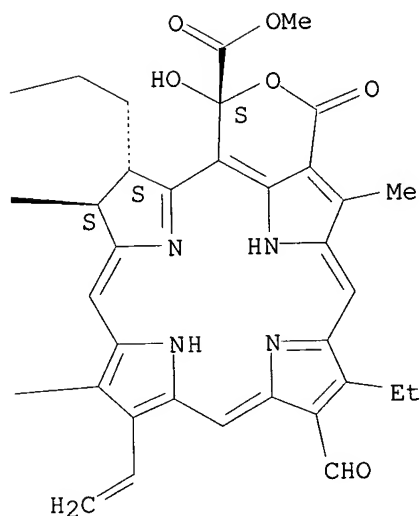
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



Me

PAGE 1-B



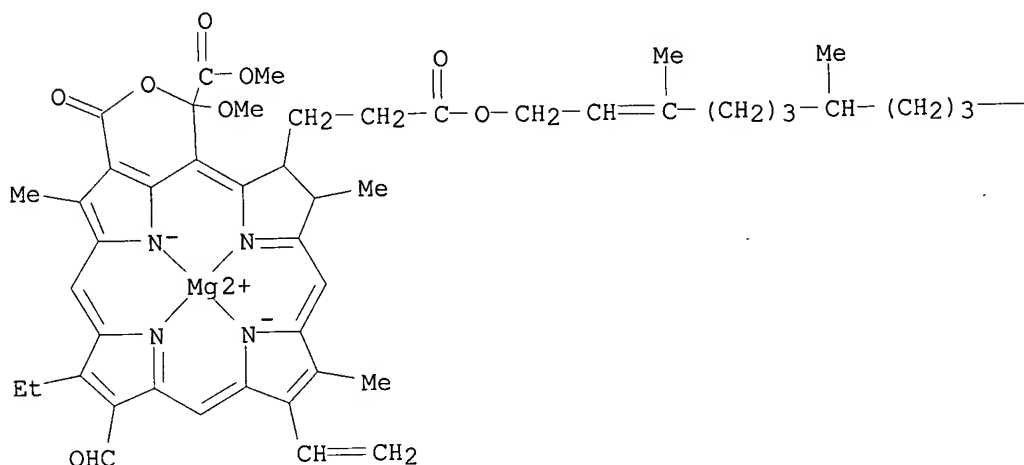
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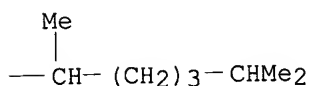
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RN 228871-01-0 REGISTRY
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18-(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-15H-9,12-imino-21,2-metheno-
4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
DR 161536-83-0
MF C56 H72 Mg N4 O8
CI CCS
SR CA
LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PRP (Properties)

PAGE 1-A

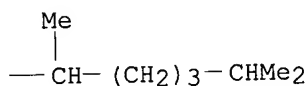
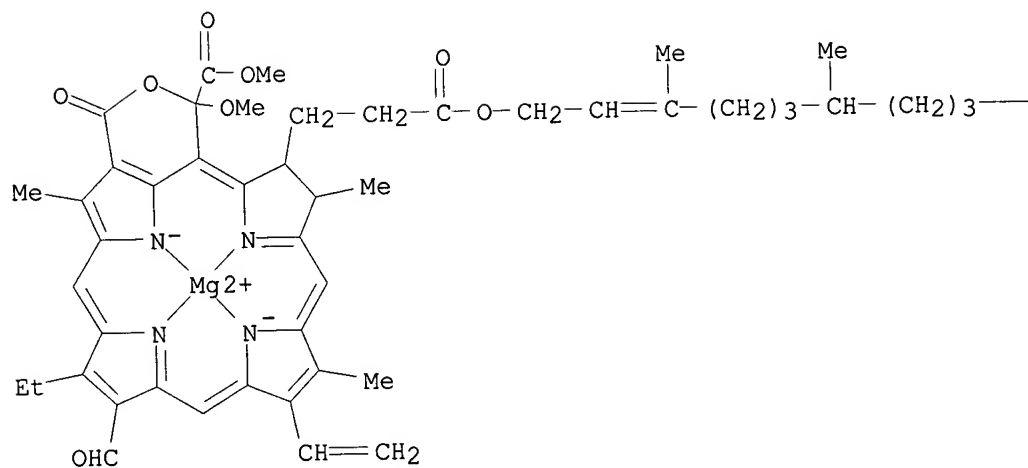


PAGE 1-B



3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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 18-(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-15H-9,12-imino-21,2-metheno-
 4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
 κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
 NAME)
 MF C56 H72 Mg N4 O8
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PRP (Properties)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 177532-03-5 REGISTRY
CN Cuprate(2-), [(15S,16S)-18-carboxy-10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-hydroxy-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(4-)-κN1,κN23,κN24,κN25]-, dihydrogen, (SP-4-2)-(9CI) (CA INDEX NAME)

OTHER NAMES:

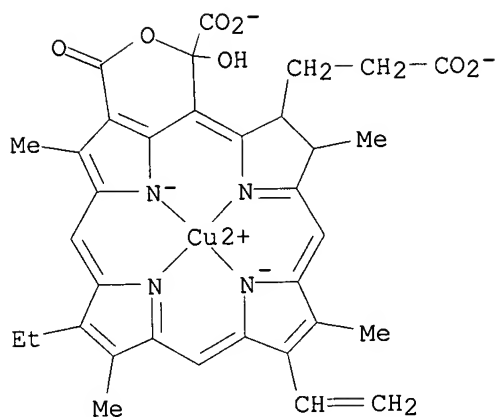
CN Copper chlorin g
MF C34 H30 Cu N4 O7 . 2 H
CI CCS
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PROC (Process)

CRN (731763-45-4)

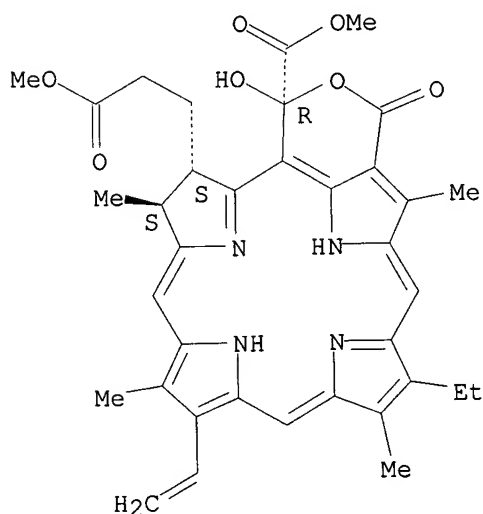


● 2 H⁺

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 175275-32-8 REGISTRY
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-
tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
methyl ester, (15S,16S,18R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C36 H38 N4 O7
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT


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L3 ANSWER 16 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 175163-90-3 REGISTRY
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
  b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-
  tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
  methyl ester, (15S,16S,18S)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C36 H38 N4 O7
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)
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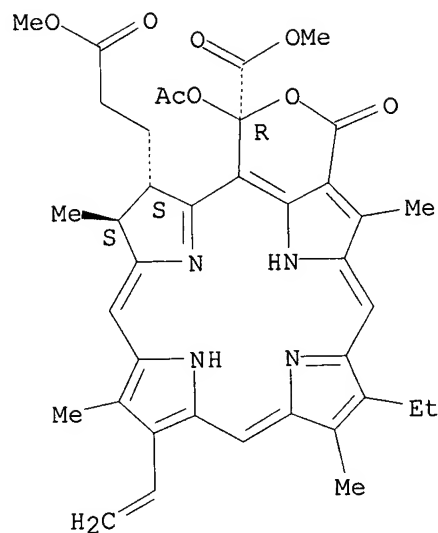
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L3  ANSWER 17 OF 39  REGISTRY  COPYRIGHT 2005 ACS on STN
RN  171368-56-2  REGISTRY
CN  15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
    b]azacyclononadecine-16-propanoic acid, 18-(acetyloxy)-10-ethenyl-5-ethyl-
    1,16,18,20-tetrahydro-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
    methyl ester, (15S,16S,18R)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN  21H,23H-Porphine-2-propanoic acid, 20-[1-(acetyloxy)-1-hydroxy-2-methoxy-2-
    oxoethyl]-18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-
    , 8-lactone, methyl ester, [2S-[2 $\alpha$ ,3 $\beta$ ,20(S*)]]-
FS  STEREOSEARCH
MF  C38 H40 N4 O8
SR  CA
LC  STN Files:  CA, CAPLUS
DT.CA  Caplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); PRP (Properties)

```

Absolute stereochemistry.

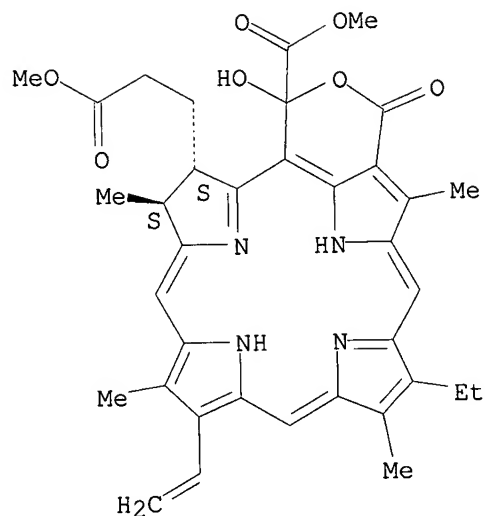


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 171368-55-1 REGISTRY
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-, methyl ester, (15S,16S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(1,1-dihydroxy-2-methoxy-2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-, methyl ester, 8-lactone
FS STEREOSEARCH
MF C36 H38 N4 O7
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 171368-54-0 REGISTRY

CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-
tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
(15S,16S)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(1,1-dihydroxy-2-methoxy-
2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-,
δ-lactone

FS STEREOSEARCH

MF C35 H36 N4 O7

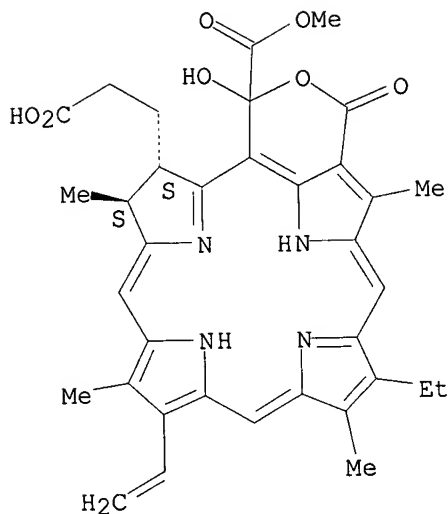
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,
nonpreparative); PRP (Properties)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 161536-81-8 REGISTRY

CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-6-formyl-1,16,18,20-tetrahydro-18-methoxy-18-(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-, (15S,16S,18S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-12-formyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,17-trimethyl-, 8-lactone, [2S-[2 α ,3 β ,20(R*)]]-

FS STEREOSEARCH

MF C36 H36 N4 O8

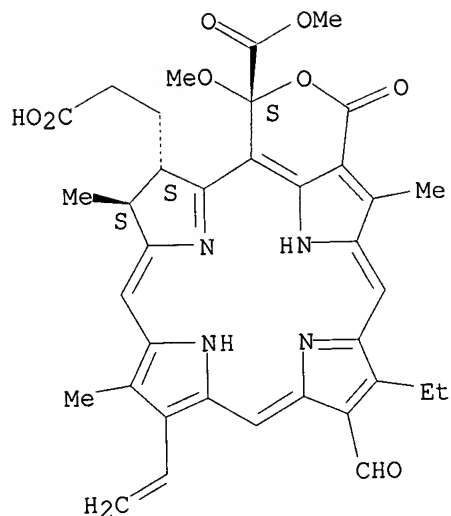
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 161505-00-6 REGISTRY

CN Magnesate(1-), [(15S,16S,18S)-10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,κN25]-, hydrogen, (SP-4-2)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Magnesate(1-), [18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-21H,23H-porphine-2-propanoic acid δ-lactonato(3-)-N21,N22,N23,N24]-, hydrogen, [SP-4-2-[2S-[2α,3β,20(R*)]]]-

MF C36 H35 Mg N4 O7 . H

CI CCS

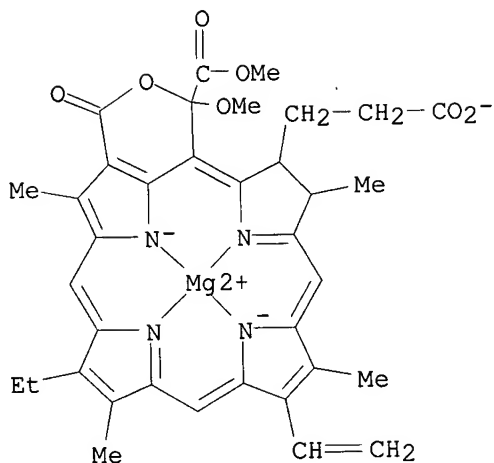
SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative)

CRN (790633-85-1)

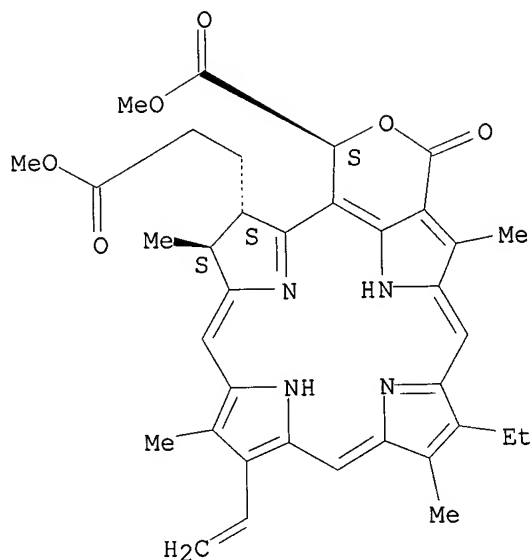


● H⁺

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 145195-32-0 REGISTRY
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-, methyl ester, (15S,16S,18S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-20-(1-hydroxy-2-methoxy-2-oxoethyl)-3,7,12,17-tetramethyl-, 8-lactone, methyl ester, [2S-[2 α ,3 β ,20(R*)]]-
CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, 21H,23H-porphine-2-propanoic acid deriv.
FS STEREOSEARCH
MF C36 H38 N4 O6
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER
(*File contains numerically searchable property data)
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 111569-36-9 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S)-10-ethenyl-5-ethyl-6-formyl-1,16,18,20-tetrahydro-18-hydroxy-18-
(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-15H-9,12-imino-21,2-metheno-
4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 18H,20H-4,7:14,17-Diimino-2,21-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-6-formyl-15,16-
dihydro-18-hydroxy-18-(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-,
3,7,11,15-tetramethyl-2-hexadecenyl ester, magnesium complex
CN 2H,20H-4,7:14,17-Diimino-2,21-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine, magnesium deriv.

MF C55 H70 Mg N4 O8

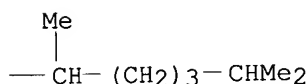
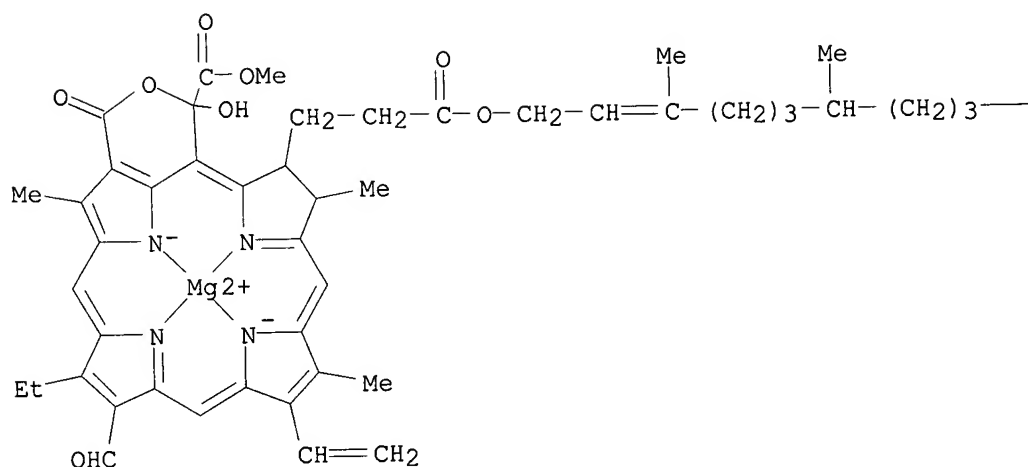
CI CCS

SR CA

LC STN Files: CA, CAPLUS

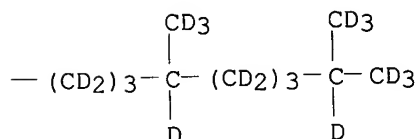
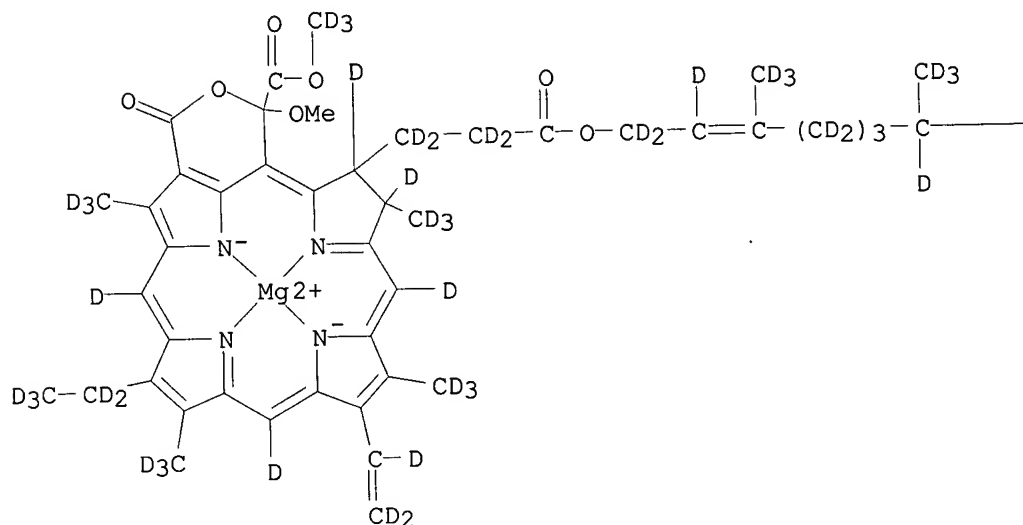
DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PROC (Process)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 96038-91-4 REGISTRY
CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetra(methyl-d3)-2-hexadecenyl-1,1,2,4,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,13,13,14,14,15,16,16,16-d27 (15S,16S,18S)-10-(ethenyl-d3)-5-(ethyl-d5)-16,18-dihydro-16-d-18-methoxy-18-(methoxy-d3-carbonyl)-6,11,15,22-tri(methyl-d3)-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-3,8,13,15-d4-16-propano- $\alpha,\alpha,\beta,\beta$ -d4-ato(2-)- κ N1, κ N23, κ N24, κ N25]-, (SP-4-2)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-3,5,10,15-d4-2-propanoic- $\alpha,\alpha,\beta,\beta$ -d4 acid, 18-carboxy-8-(ethenyl-d3)-13-(ethyl-d5)-2,3-dihydro-2-d-20-[1-hydroxy-1-methoxy-2-(methoxy-d3)-2-oxoethyl]-3,7,12,17-tetra(methyl-d3)-, 8-lactone, magnesium complex, [2S-[2 α (2E,7S*,11S*),3 β ,20S*]]-
CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, 21H,23H-porphine-3,5,10,15-d4-2-propanoic- $\alpha,\alpha,\beta,\beta$ -d4 acid deriv., magnesium complex
CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, magnesium deriv.
CN Magnesium, [2-[3,7,11,15-tetra(methyl-d3)-2-hexadecenyl-1,1,2,4,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,13,13,14,14,15,16,16,16-d27]-18-carboxy-8-(ethenyl-d3)-13-(ethyl-d5)-2,3-dihydro-2-d-20-[1-hydroxy-1-methoxy-2-(methoxy-d3)-2-oxoethyl]-3,7,12,17-tetra(methyl-d3)-21H,23H-porphine-3,5,10,15-d4-2-propanoate- $\alpha,\alpha,\beta,\beta$ -d4 8-lactonato(2-)-N21,N22,N23,N24]-, [SP-4-2-[2S-[2 α (2E,7S*,11S*),3 β ,20R*]]]-
MF C56 H3 D71 Mg N4 O7
CI CCS
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

95863-40-4 REGISTRY

RN 95863-40-4 REGISIRI
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
b]azacyclonadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-
tetrahydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
methyl ester, (15S,16S,18R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-, δ -lactone, methyl ester, [2S-[2 α ,3 β ,20(R*)]]-

CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitriropyrano[4,3-b]azacyclononadecine, 21H,23H-porphine-2-propanoic acid deriv.

FS STEREOSEARCH

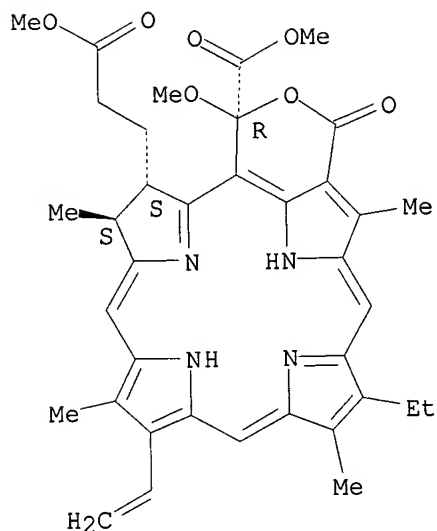
MF C37 H40 N4 O7

LC STN Files: CA, CAPLUS

DT.CA CPlus document type: Journal

DT.CA Capius document type: Journal
RL.NP Roles from non-patents: ANST (Analytical study)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 95786-81-5 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetra(methyl-d3)-2-hexadecenyl-1,1,2,4,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,13,13,14,14,15,16,16,16-d27 (15S,16S,18R)-10-(ethenyl-d3)-5-(ethyl-d5)-16,18-dihydro-16-d-18-methoxy-18-(methoxy-d3-carbonyl)-6,11,15,22-tri(methyl-d3)-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-3,8,13,15-d4-16-propano- $\alpha,\alpha,\beta,\beta$ -d4-ato(2-)- κ N1, κ N23, κ N24, κ N25]-, (SP-4-2)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-3,5,10,15-d4-2-propanoic- $\alpha,\alpha,\beta,\beta$ -d4 acid, 18-carboxy-8-(ethenyl-d3)-13-(ethyl-d5)-2,3-dihydro-2-d-20-[1-hydroxy-1-methoxy-2-(methoxy-d3)-2-oxoethyl]-3,7,12,17-tetra(methyl-d3)-, 2-[3,7,11,15-tetra(methyl-d3)-2-hexadecenyl-1,1,2,4,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,13,13,14,14,15,16,16,16-d27] ester, δ -lactone, magnesium complex, [2S-[2 α (2E,7S*,11S*),3 β ,20(S*)]]-

CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, magnesium deriv.

CN Magnesium, [2-[3,7,11,15-tetra(methyl-d3)-2-hexadecenyl-1,1,2,4,4,5,5,6,6,7,8,8,9,9,10,10,11,12,12,13,13,14,14,15,16,16,16-d27] 18-carboxy-8-(ethenyl-d3)-13-(ethyl-d5)-2,3-dihydro-2-d-20-[1-hydroxy-1-methoxy-2-(methoxy-d3)-2-oxoethyl]-3,7,12,17-tetra(methyl-d3)-21H,23H-porphine-3,5,10,15-d4-2-propanoate- $\alpha,\alpha,\beta,\beta$ -d4 δ -lactonato(2-)-N21,N22,N23,N24]-, [SP-4-2-[2S-[2 α (2E,7S*,11S*),3 β ,20(S*)]]]-

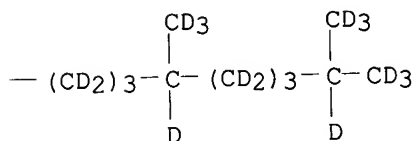
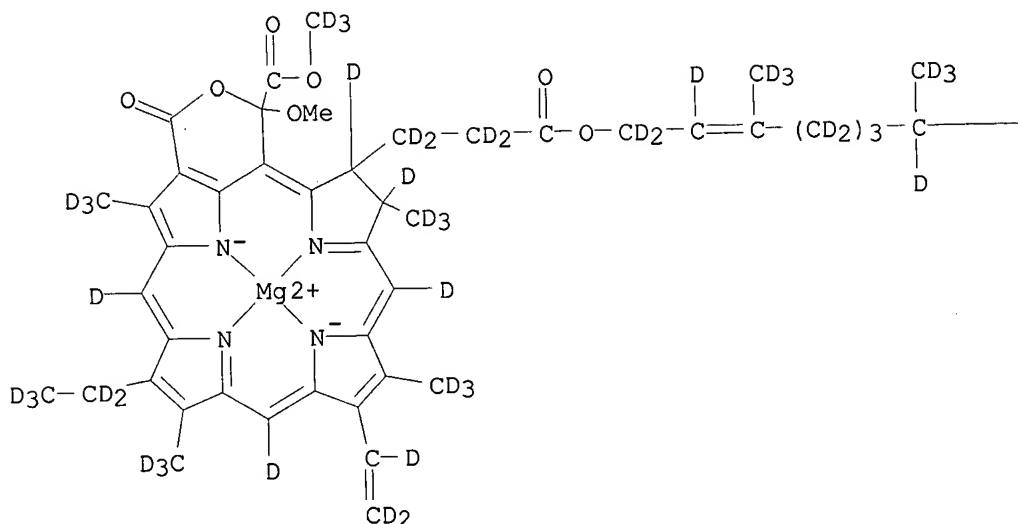
MF C56 H3 D71 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 91840-15-2 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S,18S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-methoxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-,
2-(3,7,11,15-tetramethyl-2-hexadecenyl) ester, δ-lactone, magnesium
complex, [2S-[2α(2E,7S*,11S*),3β,20(R*)]]-

OTHER NAMES:

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-
tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-
N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(R*)]]]-

DR 150693-58-6, 153221-25-1, 276887-68-4

MF C56 H74 Mg N4 O7

CI CCS

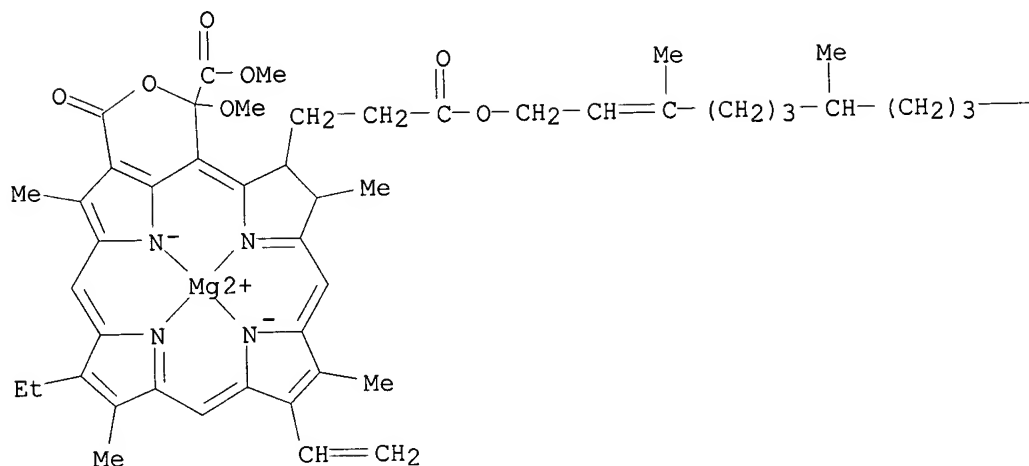
LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal

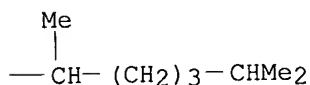
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); PREP (Preparation); PROC

(Process); PRP (Properties)

PAGE 1-A



PAGE 1-B



13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 91656-50-7 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(1,1-dihydroxy-2-methoxy-
2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-,
δ-lactone, 3,7,11,15-tetramethyl-2-hexadecenyl ester, magnesium
complex

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-20-(1,1-
dihydroxy-2-methoxy-2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-
tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-
N21,N22,N23,N24]-

DR 214222-42-1

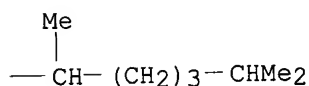
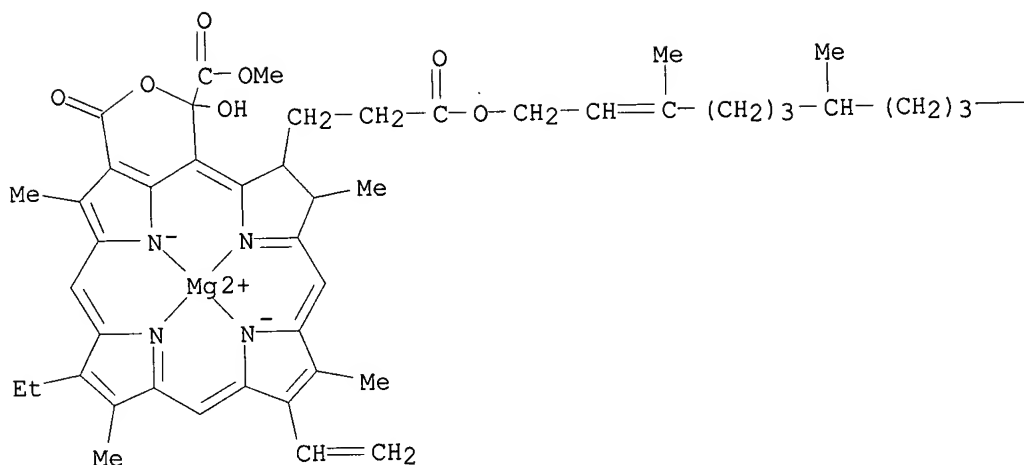
MF C55 H72 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); OCCU (Occurrence);
PREP (Preparation); PROC (Process)



4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 91656-49-4 REGISTRY
CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S,18R)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-methoxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-,
2-(3,7,11,15-tetramethyl-2-hexadecenyl) ester, δ-lactone, magnesium
complex, [2S-[2α(2E,7S*,11S*),3β,20(S*)]]-
CN Magnesium, [3,7,11,15-tetramethyl-2-hexadecenyl 10-ethenyl-5-ethyl-16,18-
dihydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-
15H,20H-4,7:14,17-diimino-2,21-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,.ka
ppa.N25]-, [SP-4-2-[15S-[15R*,16R*(2E,7S*,11S*),18S*]]]-

OTHER NAMES:

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-
tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-
N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(S*)]]]-

DR 161505-01-7, 153145-86-9

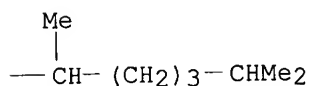
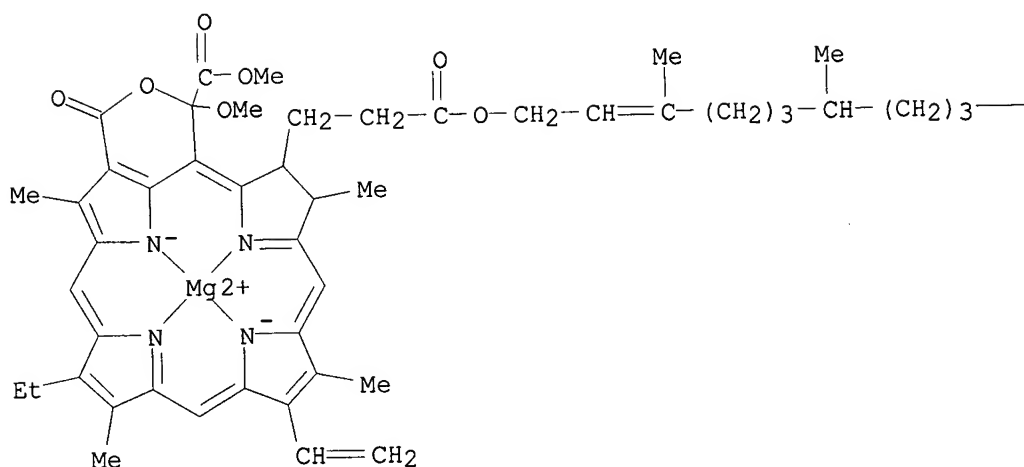
MF C56 H74 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

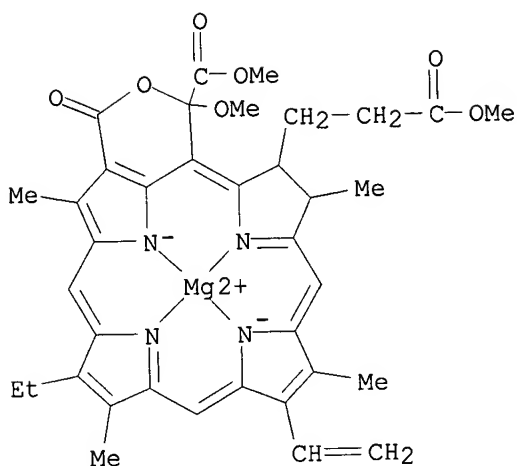
DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); PREP (Preparation); PROC
(Process); PRP (Properties)



11 REFERENCES IN FILE CA (1907 TO DATE)
11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 87981-93-9 REGISTRY
CN Magnesium, [methyl (15S,16S,18S)-10-ethenyl-5-ethyl-1,16,18,20-tetrahydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-, 2-methyl ester, δ-lactone, magnesium complex, [2S-[2α,3β,20(R*)]]-
CN 2H,20H-4,7:14,17-Diimino-2,21-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, 21H,23H-porphine-2-propanoic acid deriv., magnesium complex
CN 2H,20H-4,7:14,17-Diimino-2,21-metheno-12,9-nitrilopyrano[4,3-b]azacyclononadecine, magnesium deriv.
CN Magnesium, [2-methyl 18-carboxy-8-ethenyl-13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-21H,23H-porphine-2-propanoic acid δ-lactonato(2-)-N21,N22,N23,N24]-, [SP-4-2-[2S-[2α,3β,20(R*)]]]-
CN Magnesium, [purpurine 7 dimethyl ester hydrate methyl ether δ-lactonato(2-)]- (6CI)
MF C37 H38 Mg N4 O7
CI CCS
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: ANST (Analytical study)



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 71699-06-4 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S,18S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(1,1-dihydroxy-2-methoxy-
2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-,
δ-lactone, 3,7,11,15-tetramethyl-2-hexadecenyl ester, magnesium
complex, [2S-[2α(2E,7S*,11S*),3β,20(R*)]]-

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-20-(1,1-
dihydroxy-2-methoxy-2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-
tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-
N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(R*)]]]-

DR 114266-25-0, 146958-45-4, 87981-92-8, 200702-69-8

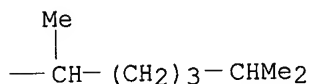
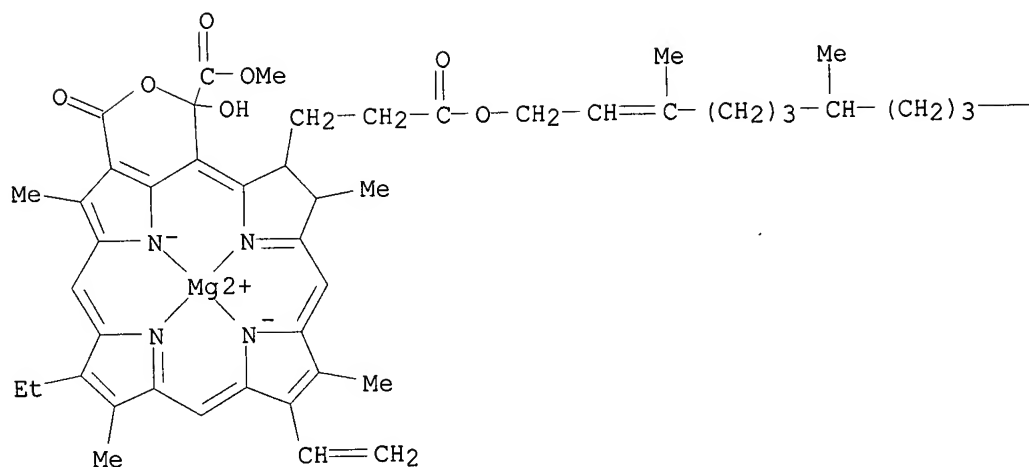
MF C55 H72 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

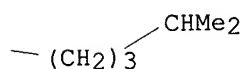
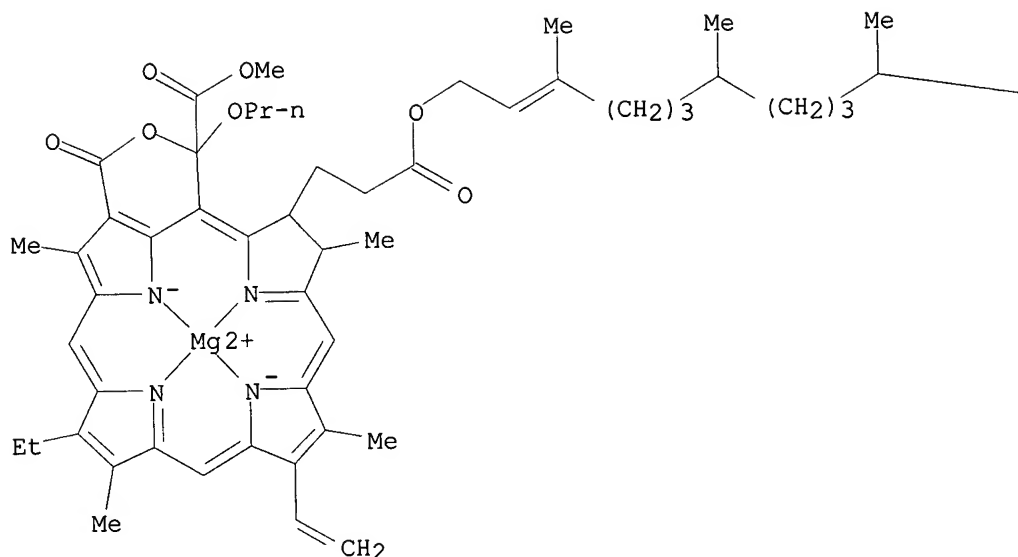
DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
(Preparation); PROC (Process); PRP (Properties)



7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 71699-05-3 REGISTRY
CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S,18S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-18-propoxy-20H-9,12-imino-
2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-
propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
dihydro-20-(1-hydroxy-2-methoxy-2-oxo-1-propoxyethyl)-3,7,12,17-
tetramethyl-, δ-lactone, 3,7,11,15-tetramethyl-2-hexadecenyl ester,
magnesium complex, [2S-[2α(2E,7S*,11S*),3β,20(R*)]]-
CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
13-ethyl-2,3-dihydro-20-(1-hydroxy-2-methoxy-2-oxo-1-propoxyethyl)-
3,7,12,17-tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-
N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(R*)]]]-
MF C58 H78 Mg N4 O7
CI CCS
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: ANST (Analytical study)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 71684-74-7 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl (15S,16S,18R)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-hydroxy-18-(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-20-(1,1-dihydroxy-2-methoxy-2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-, δ-lactone, 3,7,11,15-tetramethyl-2-hexadecenyl ester, magnesium complex, [2S-[2α(2E,7S*,11S*),3β,20(S*)]]-

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-20-(1,1-dihydroxy-2-methoxy-2-oxoethyl)-8-ethenyl-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-21H,23H-porphine-2-propanoate δ-lactonato(2-)-N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(S*)]]]-

DR 79725-51-2

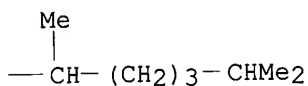
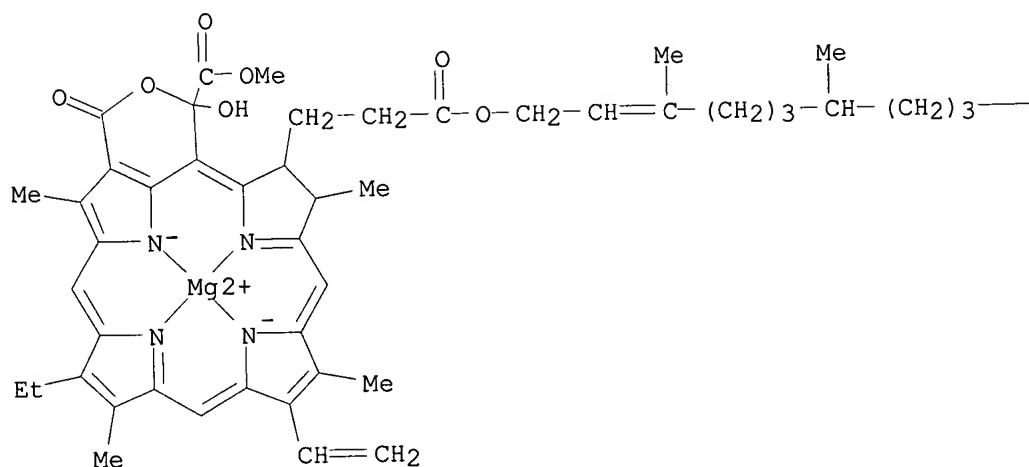
MF C55 H72 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

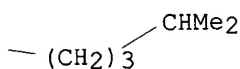
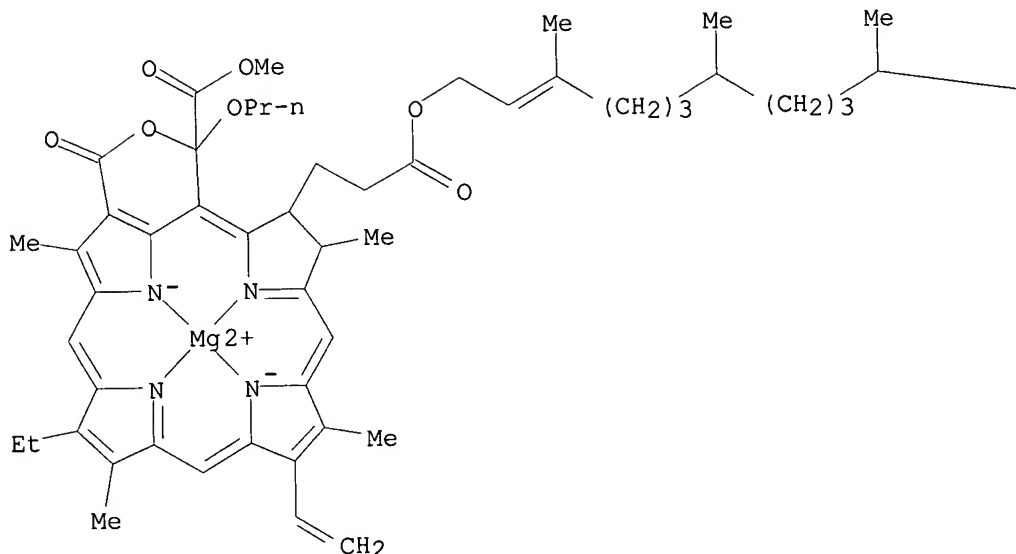
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties)



3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 13 34-39

L3 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 71684-73-6 REGISTRY
 CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (15S,16S,18R)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-
 (methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-18-propoxy-20H-9,12-imino-
 2,21-metheno-7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-
 propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
 dihydro-20-(1-hydroxy-2-methoxy-2-oxo-1-propoxyethyl)-3,7,12,17-
 tetramethyl-, 8-lactone, 3,7,11,15-tetramethyl-2-hexadecenyl ester,
 magnesium complex, [2S-[2α(2E,7S*,11S*),3β,20(S*)]]-
 CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
 13-ethyl-2,3-dihydro-20-(1-hydroxy-2-methoxy-2-oxo-1-propoxyethyl)-
 3,7,12,17-tetramethyl-21H,23H-porphine-2-propanoate 8-lactonato(2-)-
 N21,N22,N23,N24]-, [SP-4-2-[2S-[2α(2E,7S*,11S*),3β,20(S*)]]]-
 MF C58 H78 Mg N4 O7
 CI CCS
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: ANST (Analytical study)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 52587-72-1 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S)-10-ethenyl-5-ethyl-1,15,16,18-tetrahydro-18-methoxy-18-
(methoxycarbonyl)-6,11,15,22-trimethyl-20-oxo-20H-9,12-imino-2,21-metheno-
7,4:14,17-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-,
2-(3,7,11,15-tetramethyl-2-hexadecenyl) ester, 8-lactone, magnesium
complex

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
13-ethyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-
tetramethyl-21H,23H-porphine-2-propanoate 8-lactonato(2-)-
N21,N22,N23,N24]-, (SP-4-2)-

DR 79725-49-8

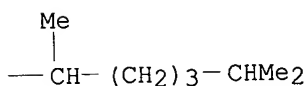
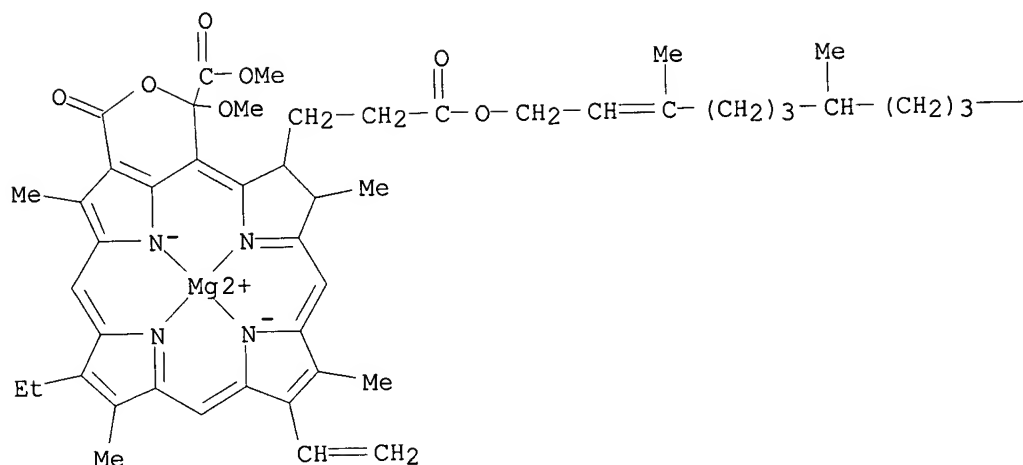
MF C56 H74 Mg N4 O7

CI CCS

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); FORM (Formation, nonpreparative); OCCU (Occurrence); PROC
(Process); PRP (Properties)



8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 52587-71-0 REGISTRY

CN Magnesium, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(15S,16S)-10-ethenyl-5-ethyl-6-formyl-1,16,18,20-tetrahydro-18-methoxy-18-
(methoxycarbonyl)-11,15,22-trimethyl-20-oxo-15H-9,12-imino-21,2-metheno-
4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-
κN1,κN23,κN24,κN25]-, (SP-4-2)- (9CI) (CA INDEX
NAME)

OTHER CA INDEX NAMES:

CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-12-formyl-
2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,17-trimethyl-,
2-(3,7,11,15-tetramethyl-2-hexadecenyl) ester, 8-lactone, magnesium
complex

CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine, magnesium complex

CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine, magnesium deriv.

CN Magnesium, [2-(3,7,11,15-tetramethyl-2-hexadecenyl) 18-carboxy-8-ethenyl-
13-ethyl-12-formyl-2,3-dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-
3,7,17-trimethyl-21H,23H-porphine-2-propanoate 8-lactonato(2-)-
N21,N22,N23,N24]-, (SP-4-2)-

DR 79725-50-1

MF C56 H72 Mg N4 O8

CI CCS

LC STN Files: CA, CAPLUS

DT.CA CAPLUS document type: Journal

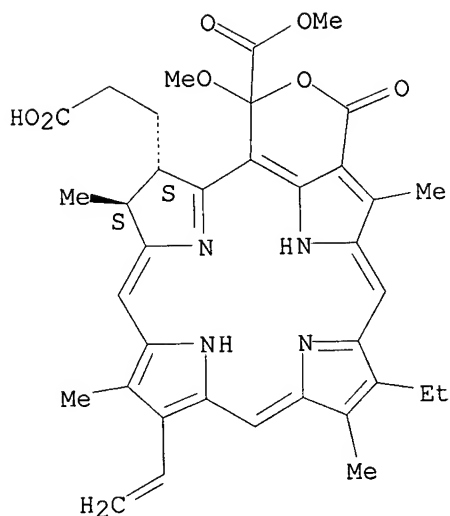
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation,
nonpreparative); PROC (Process)

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L3 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN
RN 52213-46-4 REGISTRY
CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
b]azacyclononadecine-16-propanoic acid, 10-ethenyl-5-ethyl-1,16,18,20-
tetrahydro-18-methoxy-18-(methoxycarbonyl)-6,11,15,22-tetramethyl-20-oxo-,
(15S,16S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 21H,23H-Porphine-2-propanoic acid, 18-carboxy-8-ethenyl-13-ethyl-2,3-
dihydro-20-(1-hydroxy-1,2-dimethoxy-2-oxoethyl)-3,7,12,17-tetramethyl-,
8-lactone
CN 4,7:14,17-Diimino-21,2-metheno-12,9-nitrilopyrano[4,3-
b]azacyclononadecine, 21H,23H-porphine-2-propanoic acid deriv.
FS STEREOSEARCH
MF C36 H38 N4 O7
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PRP (Properties)

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Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 15653-97-1 REGISTRY

CN Magnesium, [ethyl (15S,16S,18R)-10-ethenyl-18-(ethoxycarbonyl)-5-ethyl-1,16,18,20-tetrahydro-18-hydroxy-6,11,15,22-tetramethyl-20-oxo-15H-9,12-imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-(9CI) (CA INDEX NAME)

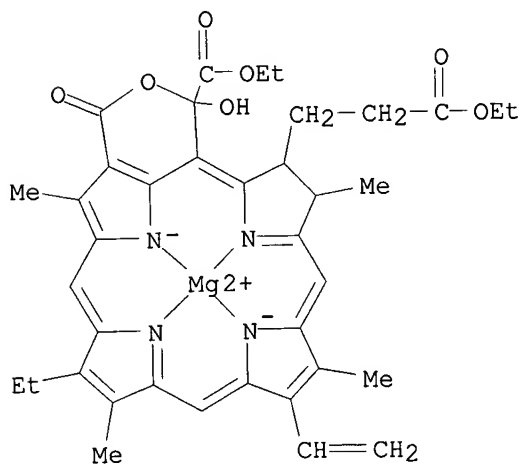
OTHER CA INDEX NAMES:

CN Chlorine, diethyl ester, magnesium deriv. (6CI)

MF C38 H40 Mg N4 O7

CI CCS

LC STN Files: CAOLD

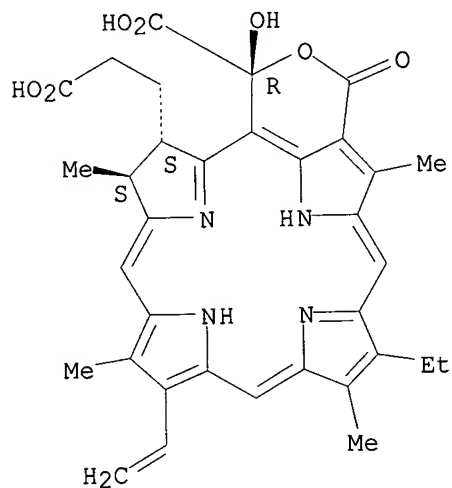


1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2005 ACS on STN

RN 475-16-1 REGISTRY
 CN 15H-9,12-Imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-
 b]azacyclononadecine-16-propanoic acid, 18-carboxy-10-ethenyl-5-ethyl-
 1,16,18,20-tetrahydro-18-hydroxy-6,11,15,22-tetramethyl-20-oxo-,
 (15S,16S,18R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Chlorine 7 (8CI)
 FS STEREOSEARCH
 MF C34 H34 N4 O7

Absolute stereochemistry.



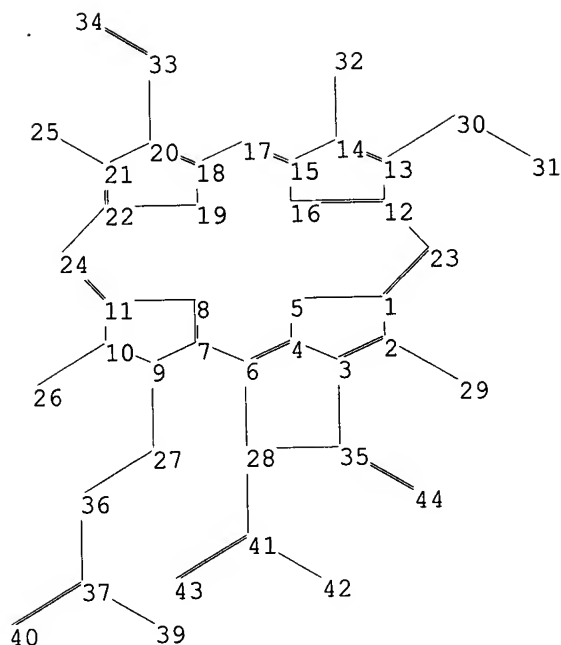
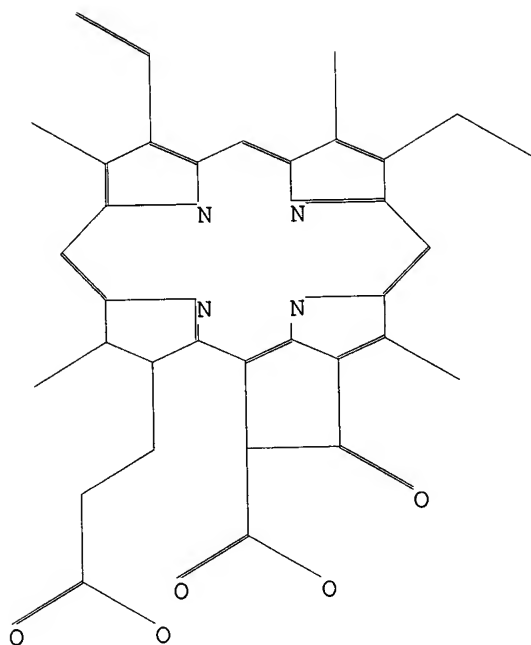
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\Application queries\10718734b.str



```

chain nodes :
25 26 27 29 30 31 32 33 34 36 37 39 40 41 42 43 44
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 28 35
chain bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 35-44
36-37 37-39 37-40 41-42 41-43
ring bonds :
1-2 1-5 1-23 2-3 3-4 3-35 4-5 4-6 6-7 6-28 7-8 7-9 8-11 9-10 10-11
11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24 28-35
exact/norm bonds :
1-5 3-35 4-5 6-28 7-9 9-10 10-11 12-13 13-14 14-15 18-19 19-22 28-35
35-44 37-39 37-40 41-42 41-43
exact bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 36-37
normalized bonds :
1-2 1-23 2-3 3-4 4-6 6-7 7-8 8-11 11-24 12-16 12-23 15-16 15-17 17-18
18-20 20-21 21-22 22-24

```

G1:O,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:CLASS
29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:CLASS 35:Atom 36:CLASS 37:CLASS
39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS

```

L4 STRUCTURE UPLOADED

=> que L4

L5 QUE L4

=> s 15 sss full
FULL SEARCH INITIATED 16:19:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1429 TO ITERATE

100.0% PROCESSED 1429 ITERATIONS
SEARCH TIME: 00.00.01

804 ANSWERS

L6 804 SEA SSS FUL L4

=> file registry	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	394.85	395.27

FILE 'REGISTRY' ENTERED AT 16:19:10 ON 26 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8
DICTIONARY FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

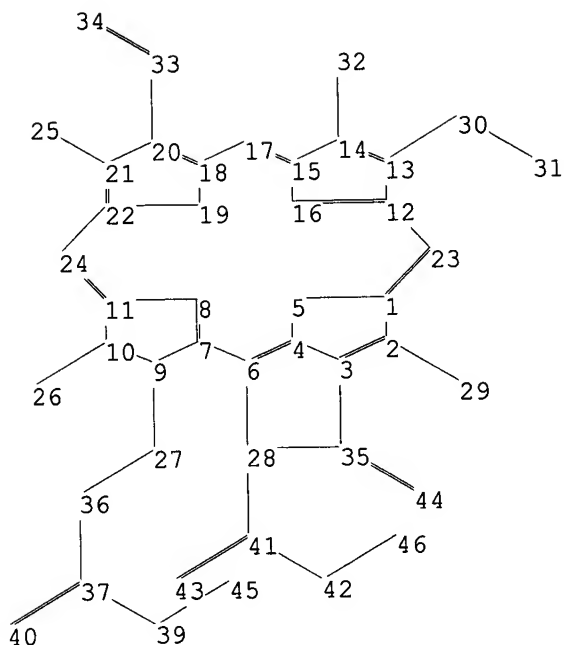
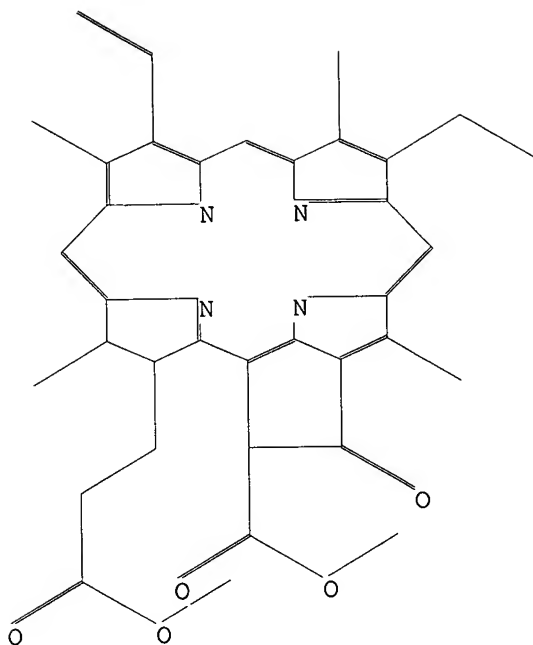
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\Application queries\10718734c.str



```

chain nodes :
25 26 27 29 30 31 32 33 34 36 37 39 40 41 42 43 44 45 46
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 28 35
chain bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 35-44
36-37 37-39 37-40 39-45 41-42 41-43 42-46
ring bonds :
1-2 1-5 1-23 2-3 3-4 3-35 4-5 4-6 6-7 6-28 7-8 7-9 8-11 9-10 10-11
11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24 28-35
exact/norm bonds :
1-5 3-35 4-5 6-28 7-9 9-10 10-11 12-13 13-14 14-15 18-19 19-22 28-35
35-44 37-39 37-40 39-45 41-42 41-43 42-46
exact bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 36-37
normalized bonds :
1-2 1-23 2-3 3-4 4-6 6-7 7-8 8-11 11-24 12-16 12-23 15-16 15-17 17-18
18-20 20-21 21-22 22-24

```

G1:O,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:CLASS
29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:CLASS 35:Atom 36:CLASS 37:CLASS
39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS

```

L7 STRUCTURE UPLOADED

=> que L7

L8 QUE L7

=> s 18 sss full
FULL SEARCH INITIATED 16:21:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1292 TO ITERATE

100.0% PROCESSED 1292 ITERATIONS
SEARCH TIME: 00.00.01

568 ANSWERS

L9 568 SEA SSS FUL L7

=> file registry
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
162.62	557.89

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:21:22 ON 26 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8
DICTIONARY FILE UPDATES: 24 JAN 2005 HIGHEST RN 819792-06-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

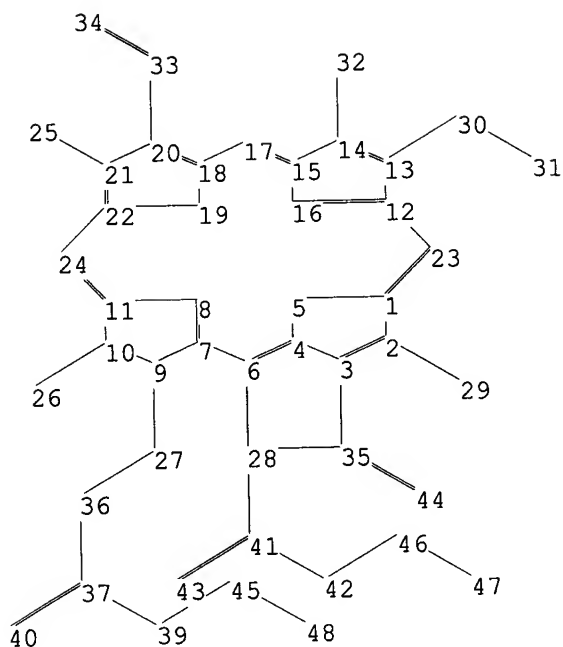
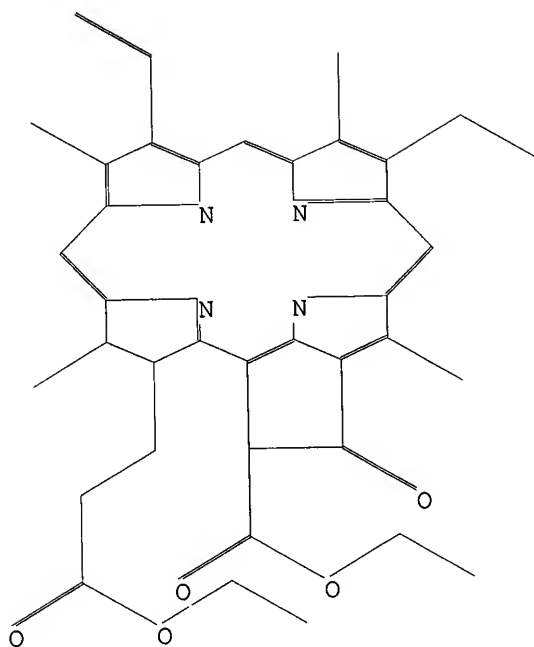
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading C:\Program Files\Stnexp\Queries\Application queries\10718734d.str



```

chain nodes :
25 26 27 29 30 31 32 33 34 36 37 39 40 41 42 43 44 45 46 47 48
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 28 35
chain bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 35-44
36-37 37-39 37-40 39-45 41-42 41-43 42-46 45-48 46-47
ring bonds :
1-2 1-5 1-23 2-3 3-4 3-35 4-5 4-6 6-7 6-28 7-8 7-9 8-11 9-10 10-11
11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22
20-21 21-22 22-24 28-35
exact/norm bonds :
1-5 3-35 4-5 6-28 7-9 9-10 10-11 12-13 13-14 14-15 18-19 19-22 28-35
35-44 37-39 37-40 39-45 41-42 41-43 42-46
exact bonds :
2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 36-37
45-48 46-47
normalized bonds :
1-2 1-23 2-3 3-4 4-6 6-7 7-8 8-11 11-24 12-16 12-23 15-16 15-17 17-18
18-20 20-21 21-22 22-24

```

G1:O,N

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:CLASS
29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:CLASS 35:Atom 36:CLASS 37:CLASS
39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS
47:CLASS 48:CLASS

```

L10 STRUCTURE UPLOADED

=> que L10

L11 QUE L10

=> s l10 sss full
FULL SEARCH INITIATED 16:24:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1292 TO ITERATE

100.0% PROCESSED 1292 ITERATIONS
SEARCH TIME: 00.00.01

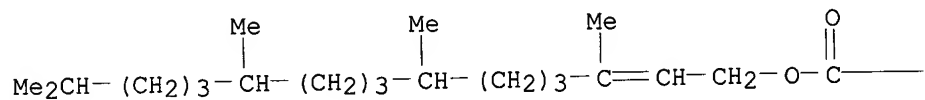
21 ANSWERS

L12 21 SEA SSS FUL L10

=> d l12 1-21

L12 ANSWER 1 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-42-8 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-21-[(2,2,2-
trichloroethoxy)carbonyl]-3-phorbinepropanoate(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C56 H71 Cl3 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

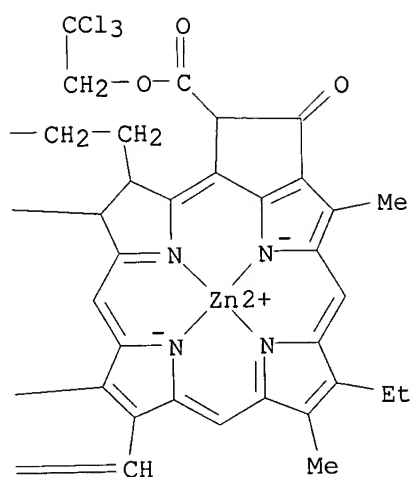
PAGE 1-A



Me—

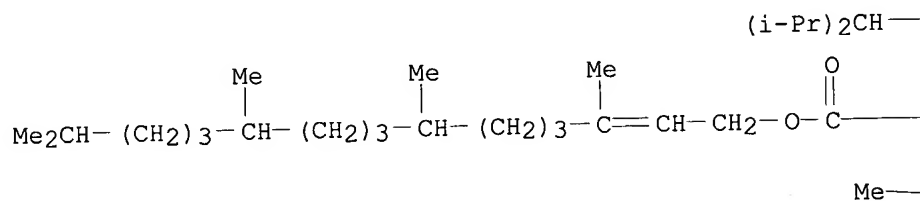
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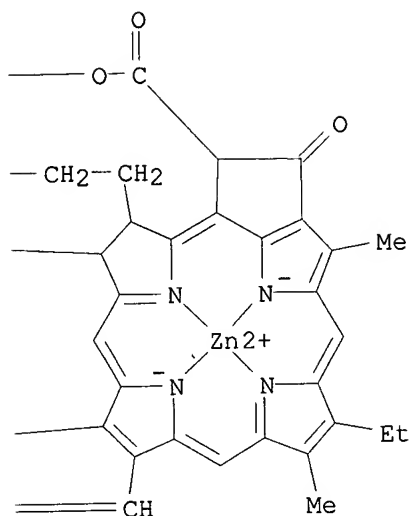
H₂C=



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

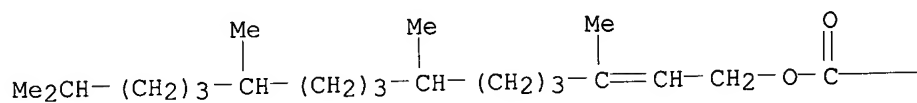
L12 ANSWER 2 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-41-7 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-
methylethyl)propoxy]carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C61 H84 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

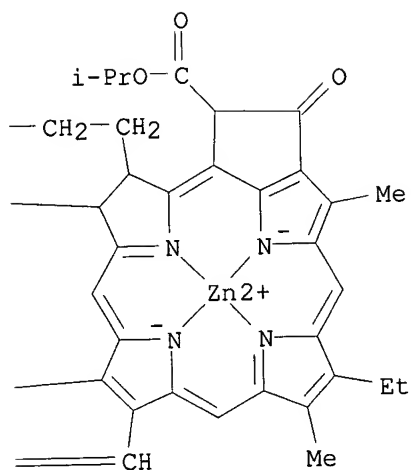
L12 ANSWER 3 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-40-6 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(1-
methylethoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C57 H76 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Cplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



Me—

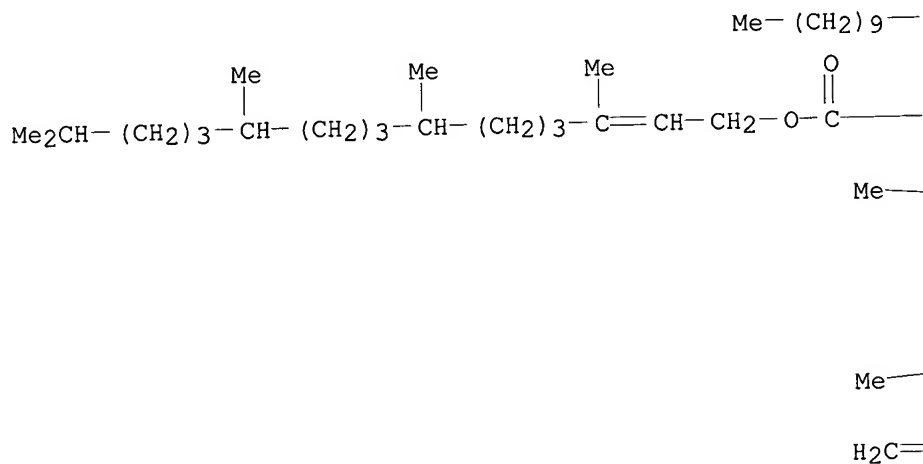
Me—

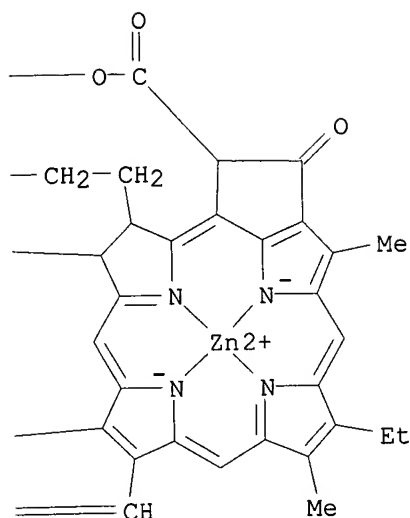
H2C=



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

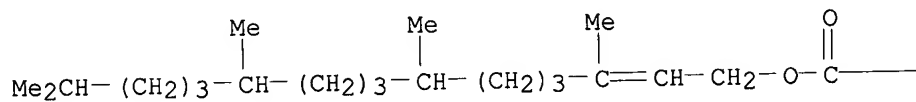
L12 ANSWER 4 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-39-3 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-21-[(decyloxy)carbonyl]-9-ethenyl-14-ethyl-4,8,13,18-
 tetramethyl-20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN
 25,κN26]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 MF C64 H90 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

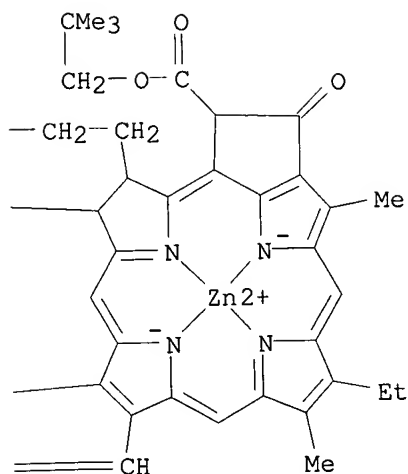
L12 ANSWER 5 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-37-1 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-21-[(2,2-dimethylpropoxy)carbonyl]-9-ethenyl-14-ethyl-
4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C59 H80 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Cplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



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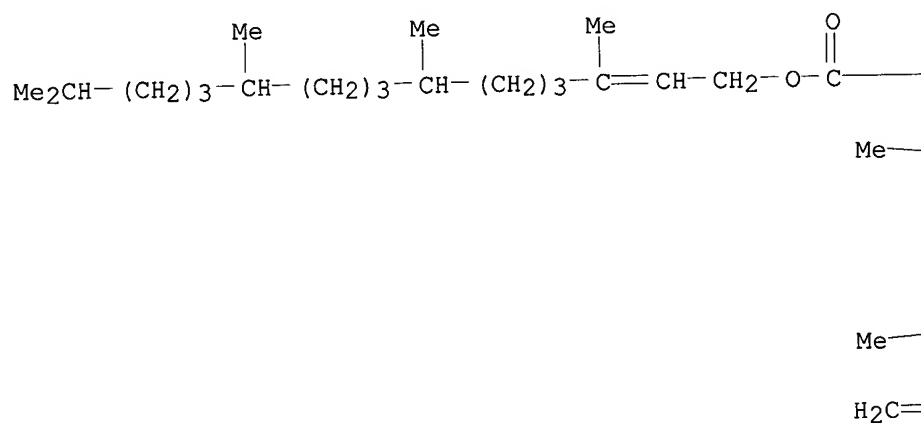
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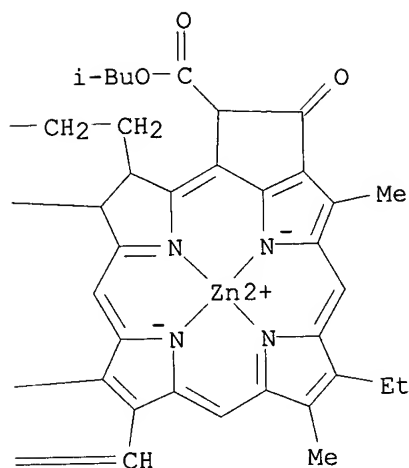
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

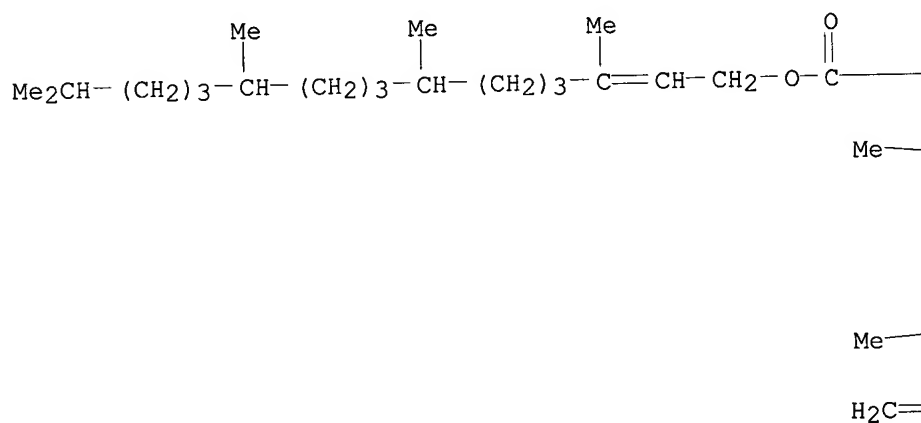
L12 ANSWER 6 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-36-0 REGISTRY
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(3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(2-
methylpropoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C58 H78 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

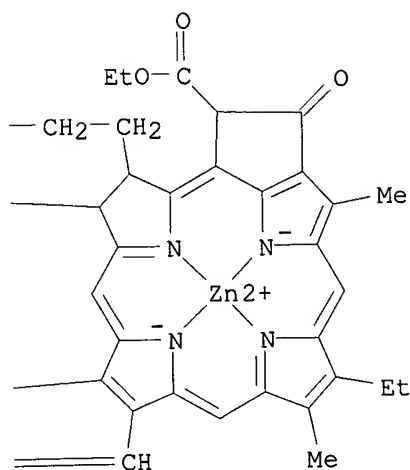




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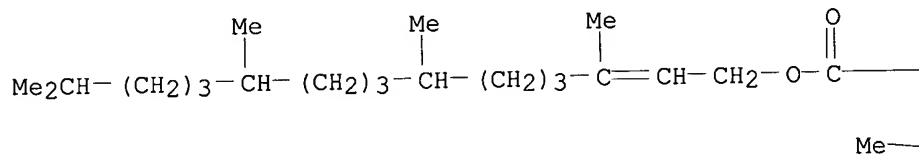
L12 ANSWER 7 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-33-7 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-9-ethenyl-21-(ethoxycarbonyl)-14-ethyl-4,8,13,18-tetramethyl-
 20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN25,κN2
 6]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 MF C56 H74 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)





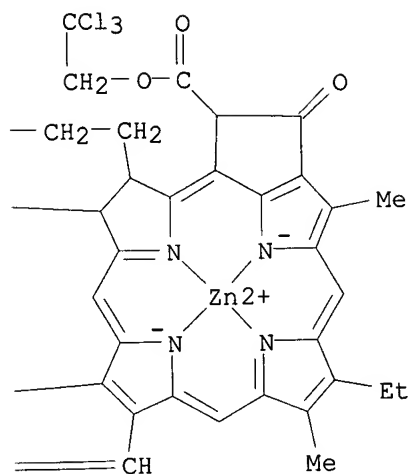
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 8 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289889-01-6 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-21-[(2,2,2-
trichloroethoxy)carbonyl]-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C56 H71 Cl3 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



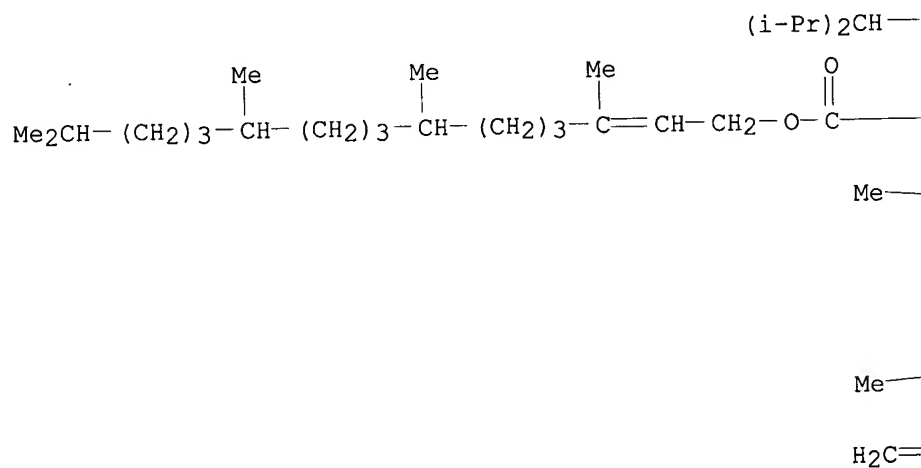
Me

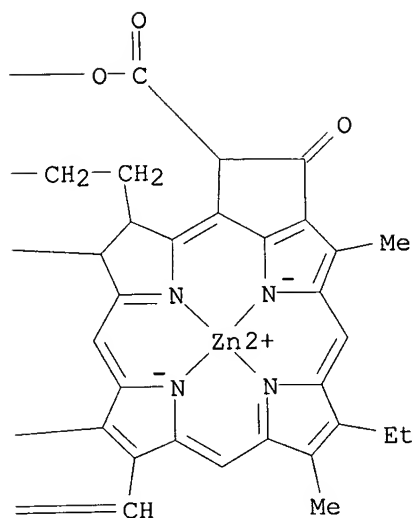
H₂C=



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

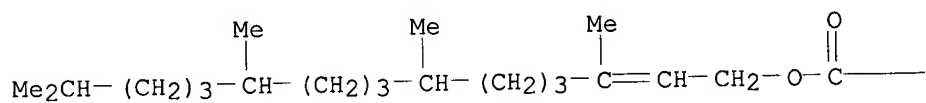
L12 ANSWER 9 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289889-00-5 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-
methylethyl)propoxy]carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C61 H84 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)





1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

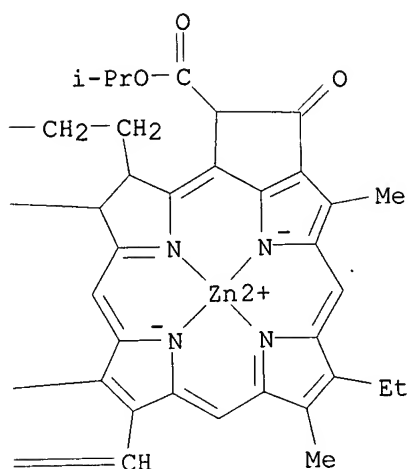
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RN 289888-99-9 REGISTRY
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(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(1-
methylethoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C57 H76 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



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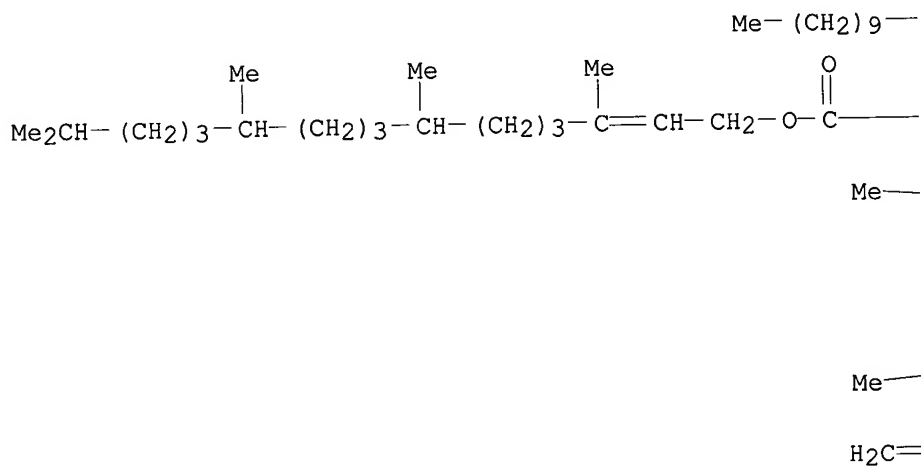
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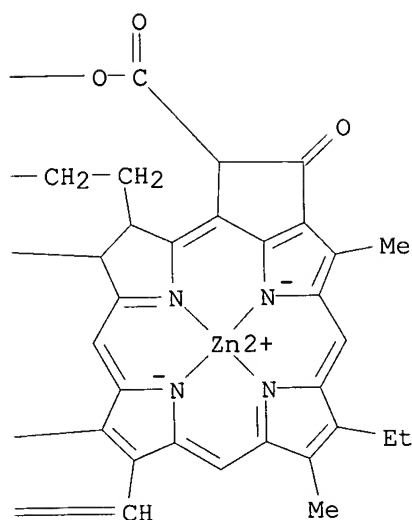
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

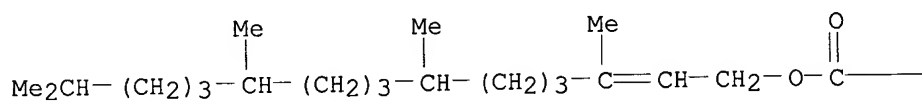
L12 ANSWER 11 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289888-98-8 REGISTRY
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25,κN26]-, (SP-4-2)- (9CI) (CA INDEX NAME)
MF C64 H90 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)





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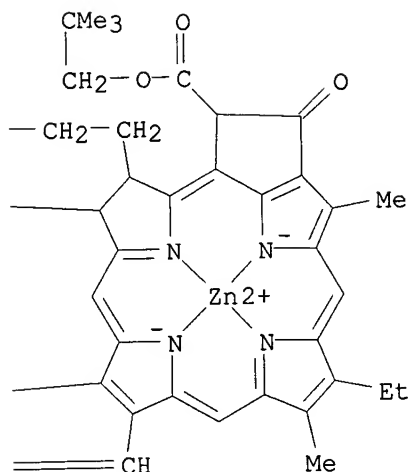
L12 ANSWER 12 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289888-97-7 REGISTRY
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 κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
 NAME)
 MF C59 H80 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



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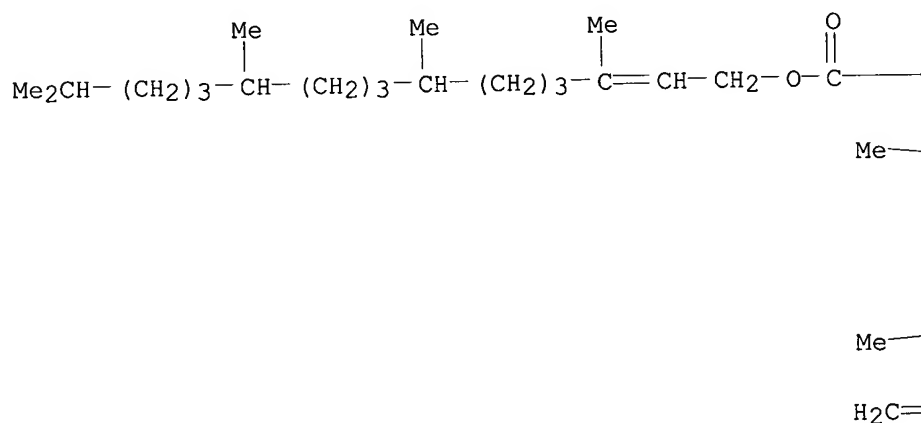
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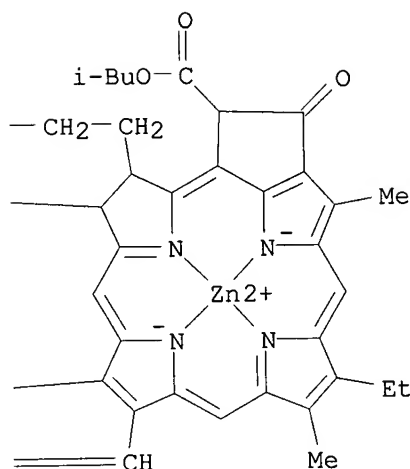
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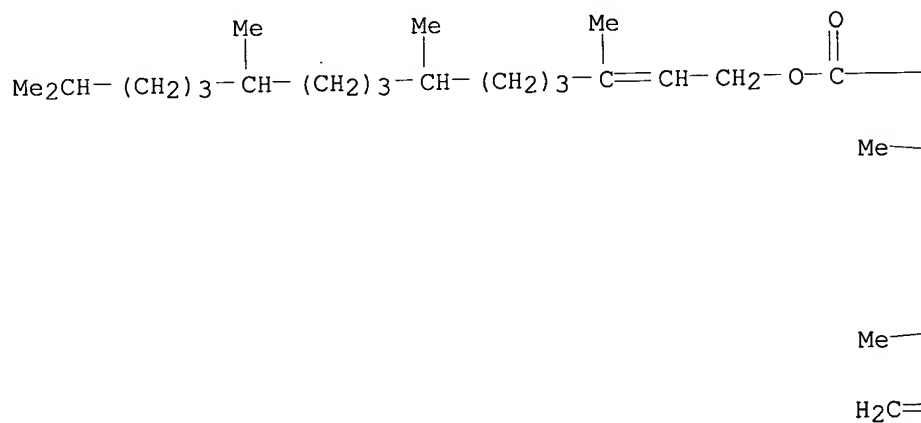
L12 ANSWER 13 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289888-96-6 REGISTRY
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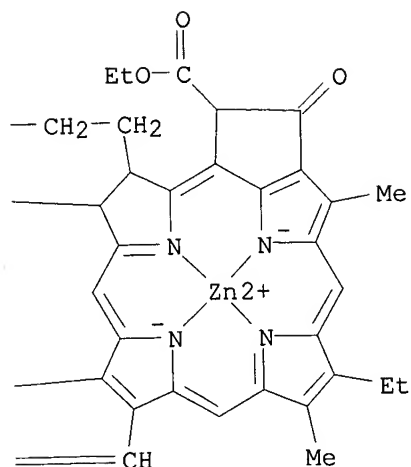




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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 14 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289888-95-5 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
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MF C56 H74 N4 O5 Zn
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RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

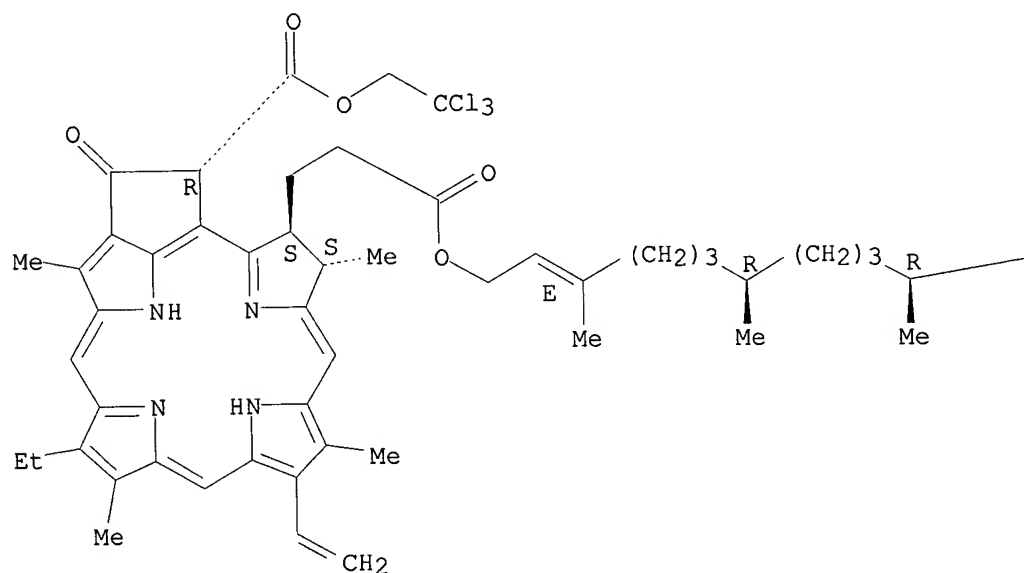


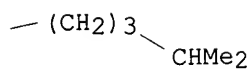


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 15 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-68-2 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-21-[(2,2,2-trichloroethoxy)carbonyl]-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C56 H73 Cl3 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.





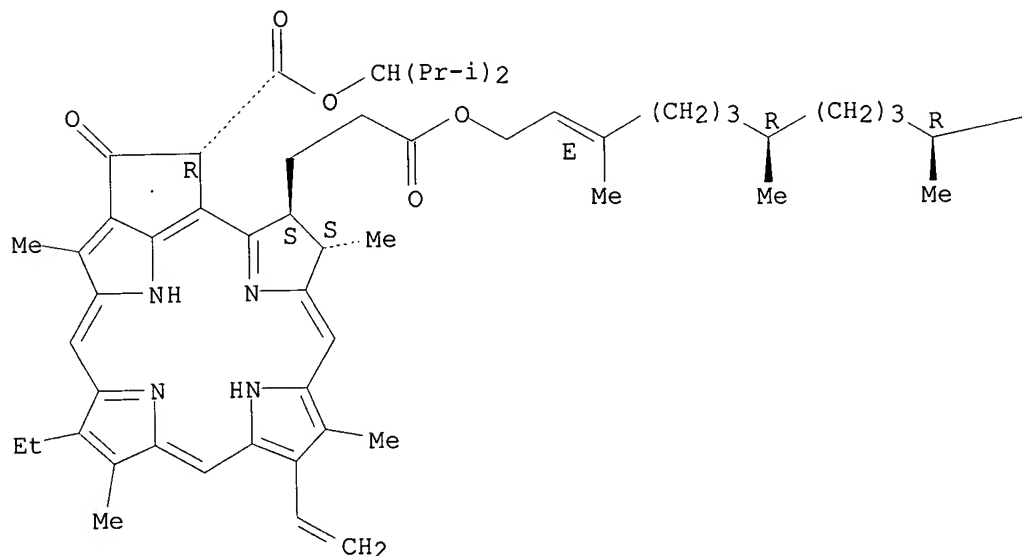
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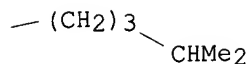
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L12 ANSWER 16 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-67-1 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-methylethyl)propoxy]carbonyl]-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C61 H86 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





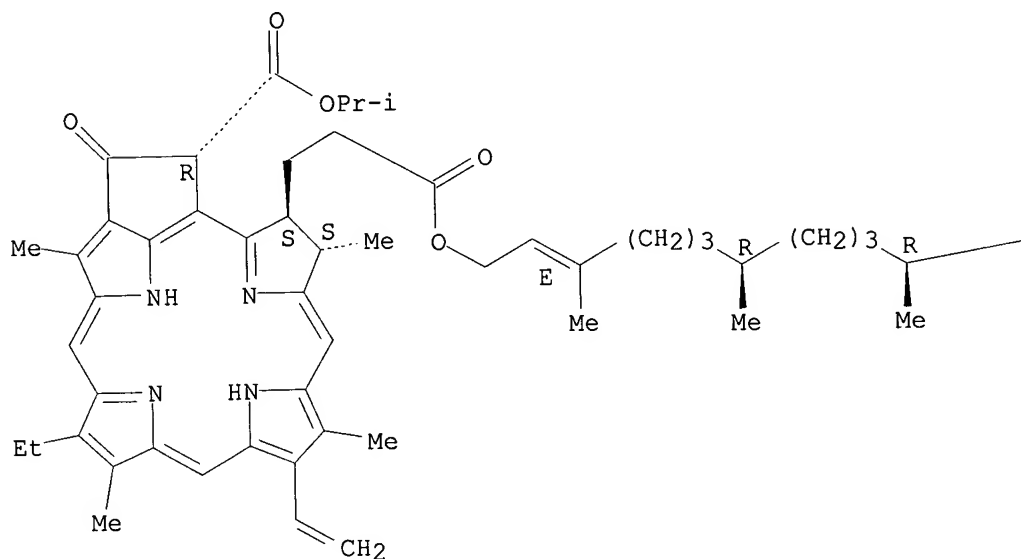
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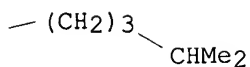
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 17 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-66-0 REGISTRY
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FS STEREOSEARCH
MF C57 H78 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





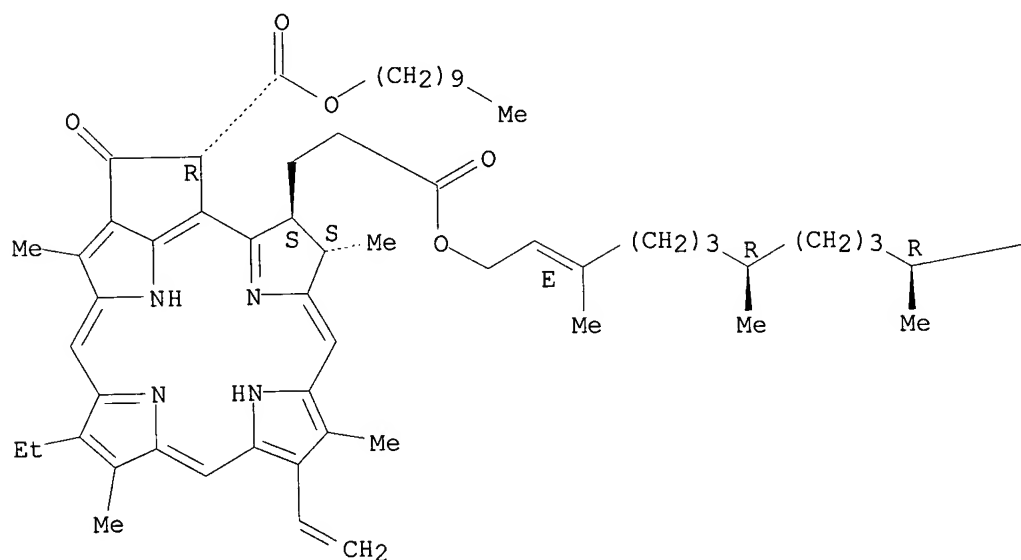
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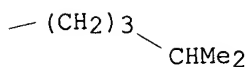
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L12 ANSWER 18 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-65-9 REGISTRY
CN 3-Phorbinepropanoic acid, 21-[(decyloxy)carbonyl]-9-ethenyl-14-ethyl-
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hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C64 H92 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





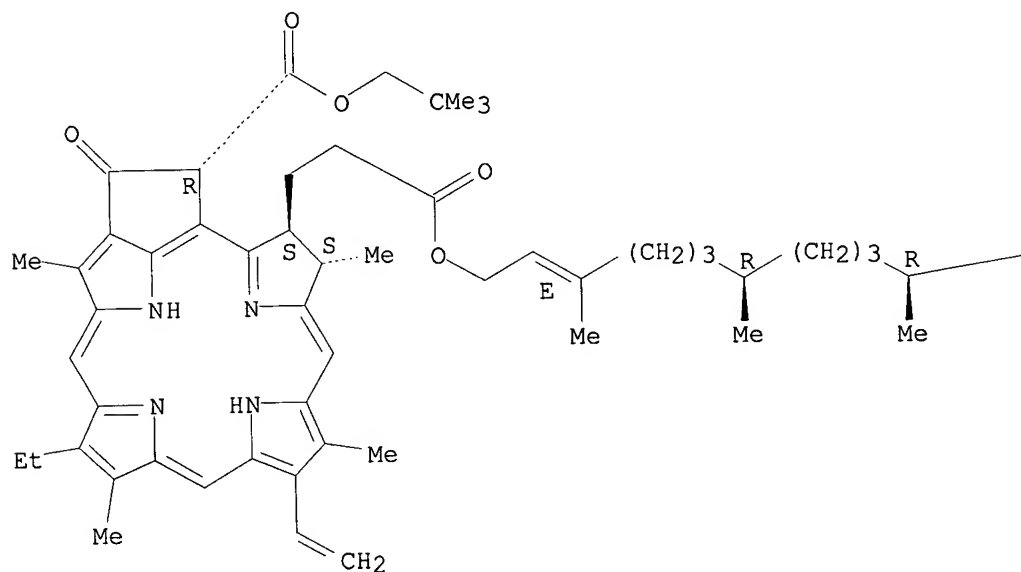
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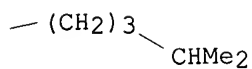
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 19 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-64-8 REGISTRY
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FS STEREOSEARCH
MF C59 H82 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





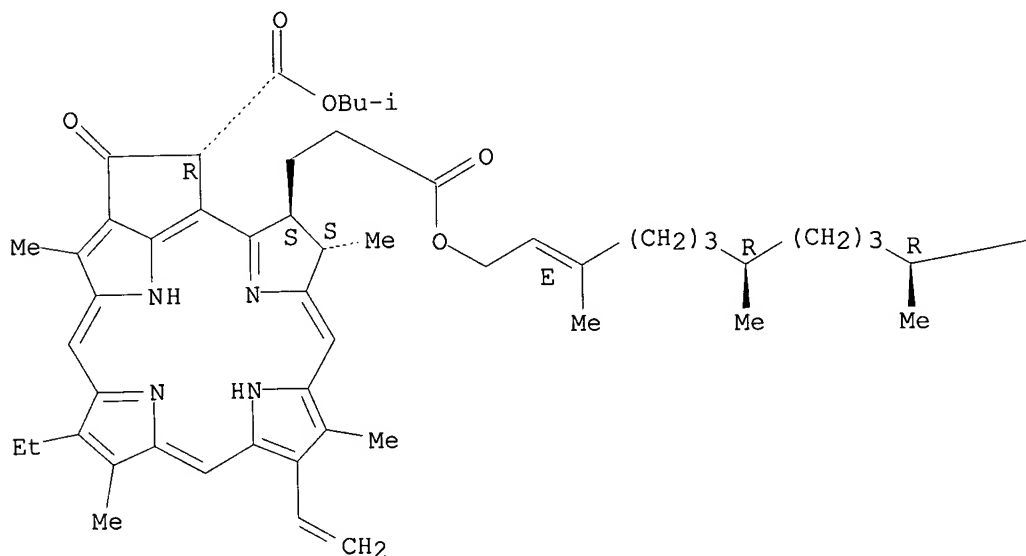
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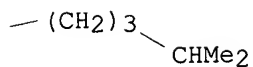
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L12 ANSWER 20 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-63-7 REGISTRY
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FS STEREOSEARCH
MF C58 H80 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 21 OF 21 REGISTRY COPYRIGHT 2005 ACS on STN

RN 289626-62-6 REGISTRY

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FS STEREOSEARCH

MF C56 H76 N4 O5

SR CA

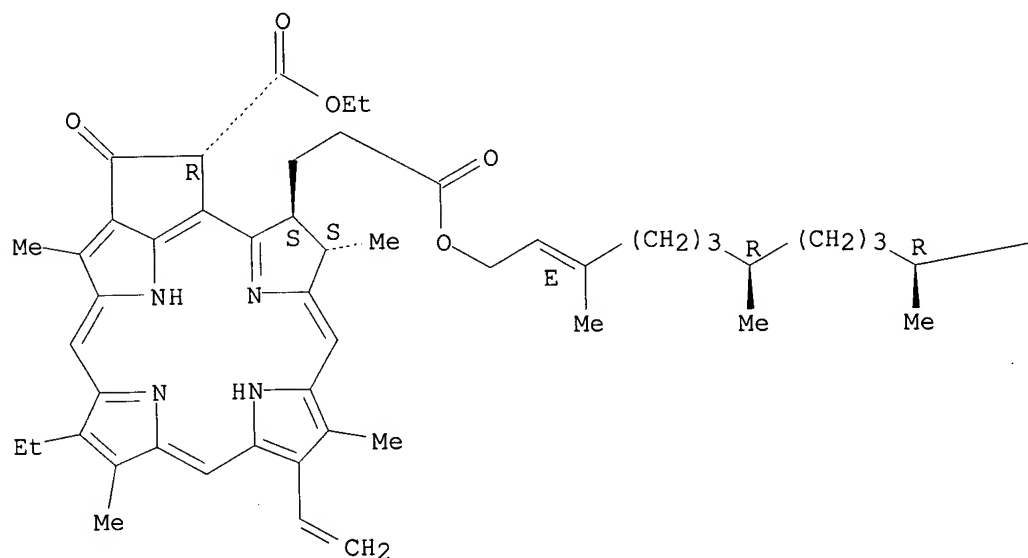
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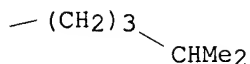
DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A





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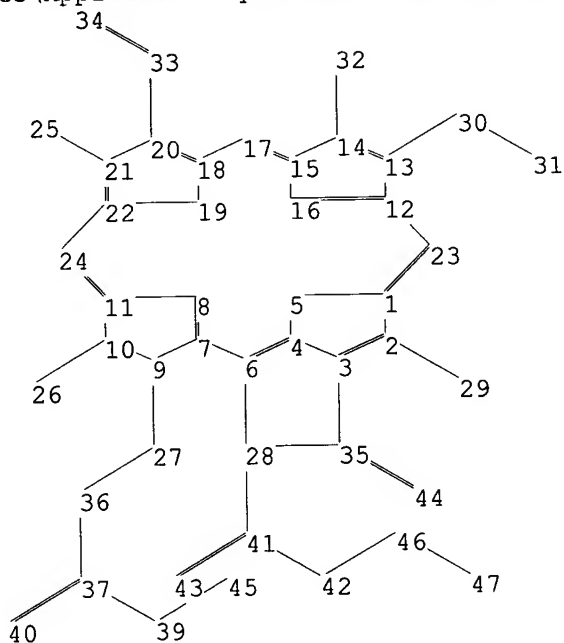
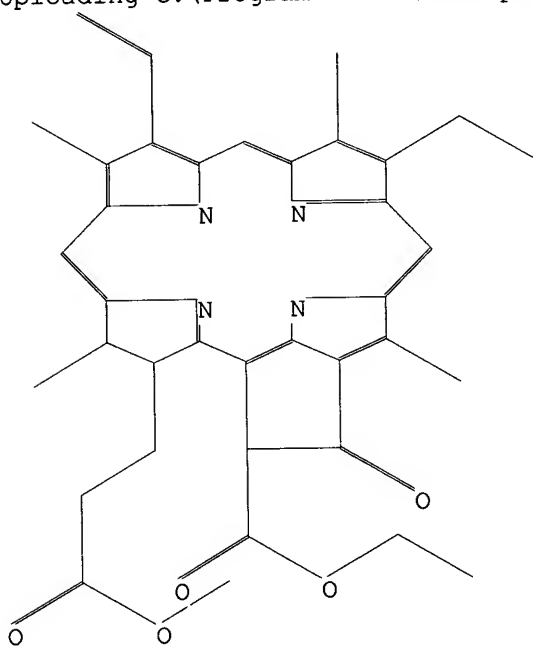
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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chain nodes :

25 26 27 29 30 31 32 33 34 36 37 39 40 41 42 43 44 45 46 47

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

24 28 35

chain bonds :

2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 35-44
36-37 37-39 37-40 39-45 41-42 41-43 42-46 46-47

ring bonds :

1-2 1-5 1-23 2-3 3-4 3-35 4-5 4-6 6-7 6-28 7-8 7-9 8-11 9-10 10-11

11-24 12-13 12-16 12-23 13-14 14-15 15-16 15-17 17-18 18-19 18-20 19-22

20-21 21-22 22-24 28-35

exact/norm bonds :
 1-5 3-35 4-5 6-28 7-9 9-10 10-11 12-13 13-14 14-15 18-19 19-22 28-35
 35-44 37-39 37-40 39-45 41-42 41-43 42-46
 exact bonds :
 2-29 9-27 10-26 13-30 14-32 20-33 21-25 27-36 28-41 30-31 33-34 36-37
 46-47
 normalized bonds :
 1-2 1-23 2-3 3-4 4-6 6-7 7-8 8-11 11-24 12-16 12-23 15-16 15-17 17-18
 18-20 20-21 21-22 22-24

G1:O,N

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:CLASS 26:Atom 27:Atom 28:CLASS
 29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:CLASS 35:Atom 36:CLASS 37:CLASS
 39:CLASS 40:CLASS 41:CLASS 42:CLASS 43:CLASS 44:CLASS 45:CLASS 46:CLASS
 47:CLASS

L13 STRUCTURE UPLOADED

=> que L13

L14 QUE L13

=> s l14 sss full
 FULL SEARCH INITIATED 16:26:21 FILE 'REGISTRY'
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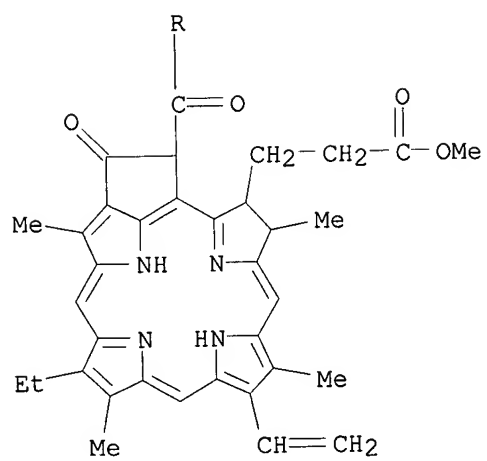
L15 31 SEA SSS FUL L13

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 "HELP COMMANDS" at an arrow prompt (=>).

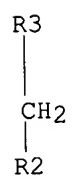
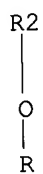
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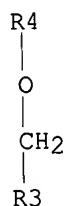
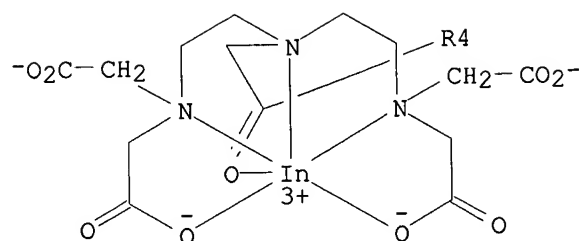
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 CI CCS, COM
 SR CA

PAGE 1-A



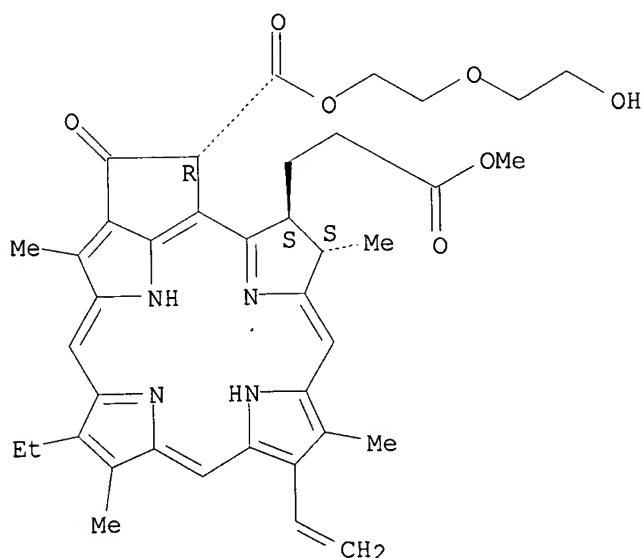
PAGE 2-A





L15 ANSWER 2 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 725269-96-5 REGISTRY
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 FS STEREOSEARCH
 MF C39 H44 N4 O7
 SR CA
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 DT.CA Caplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

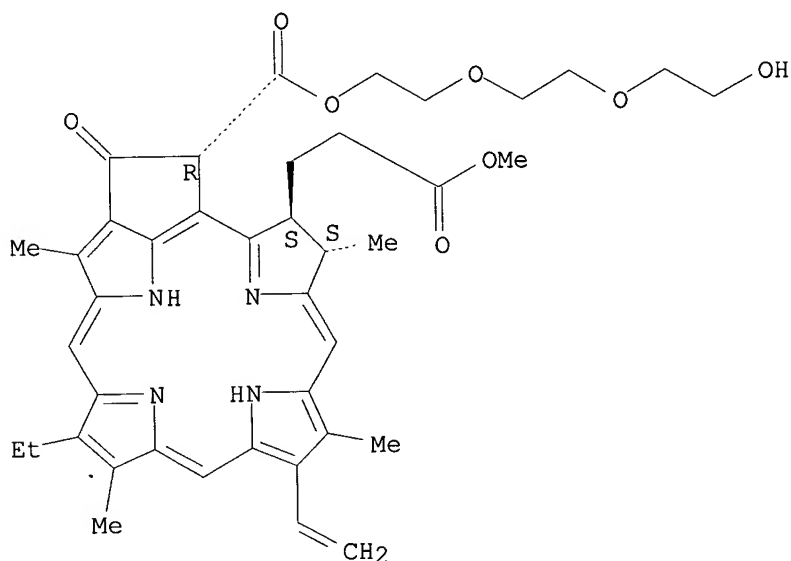
Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 3 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 649746-00-9 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-21-[[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]carbonyl]-4,8,13,18-tetramethyl-20-oxo-, methyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
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FS STEREOSEARCH
MF C41 H48 N4 O8
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.



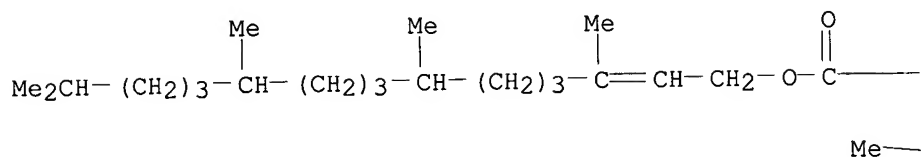
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MF C56 H71 Cl3 N4 O5 Zn
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DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

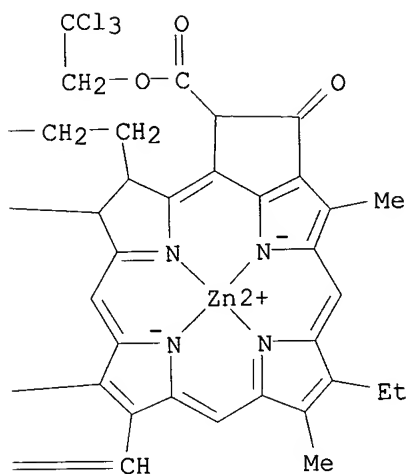
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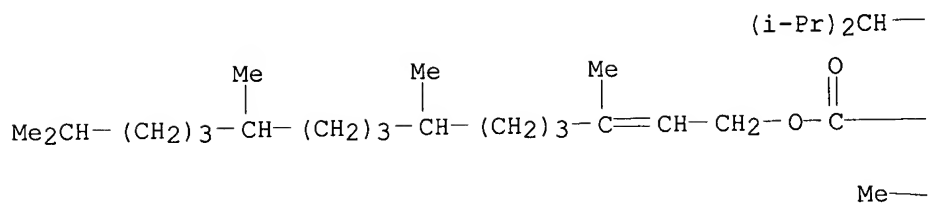
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PAGE 1-B

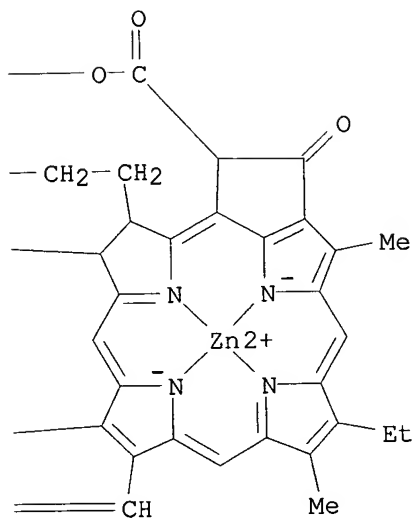


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 5 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-41-7 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-
methylethyl)propoxy]carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C61 H84 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

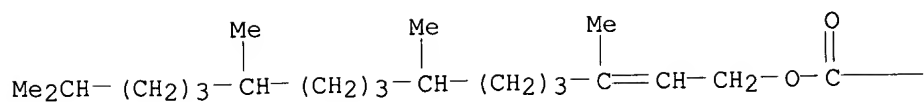


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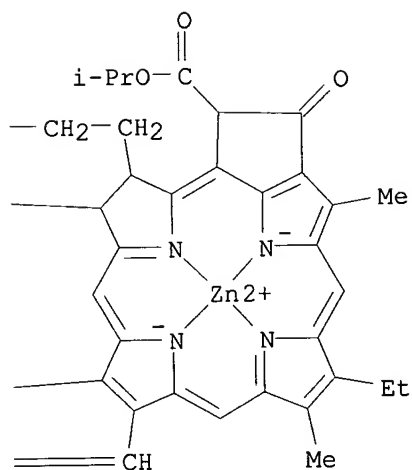
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 6 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-40-6 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(1-
 methylethoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
 κN23,κN24,κN25,κN26]-, (SP-4-2)-(9CI) (CA INDEX
 NAME)
 MF C57 H76 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



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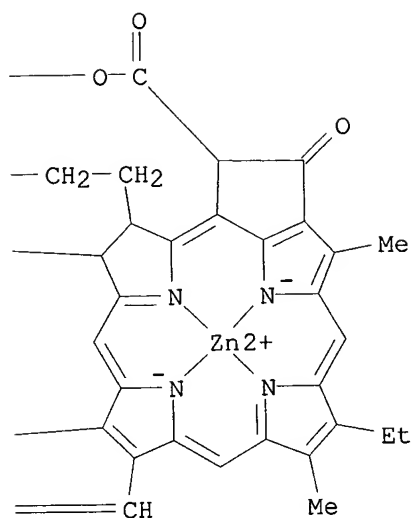
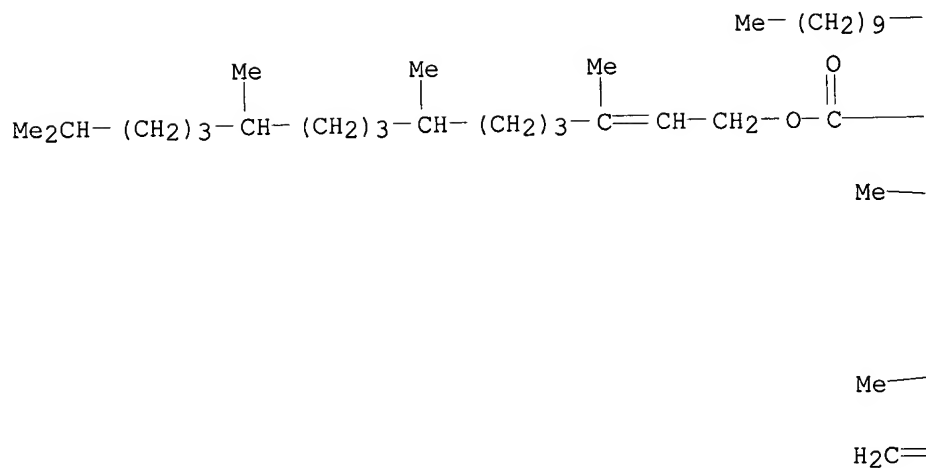
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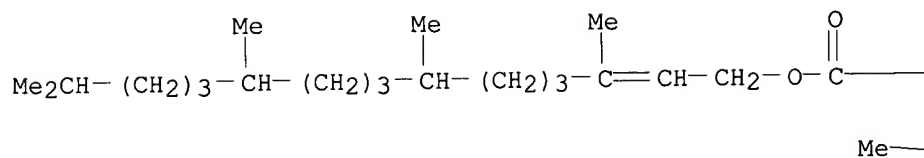
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 7 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-39-3 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-21-[(decyloxy)carbonyl]-9-ethenyl-14-ethyl-4,8,13,18-
 tetramethyl-20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN
 25,κN26]-, (SP-4-2)-(9CI) (CA INDEX NAME)
 MF C64 H90 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

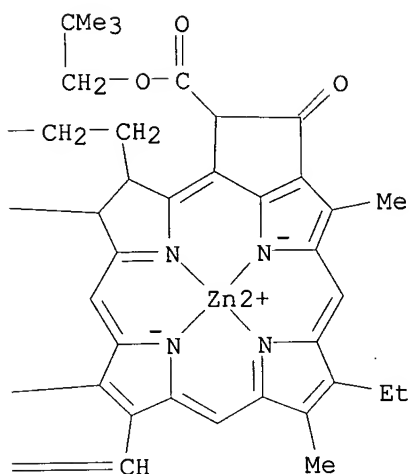


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 8 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-37-1 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-21-[(2,2-dimethylpropoxy)carbonyl]-9-ethenyl-14-ethyl-
 4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoato(2-)-
 κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
 NAME)
 MF C59 H80 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

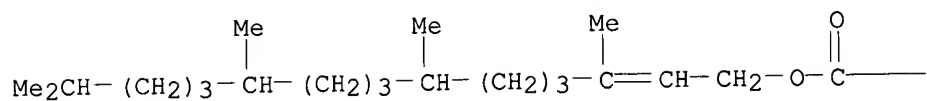


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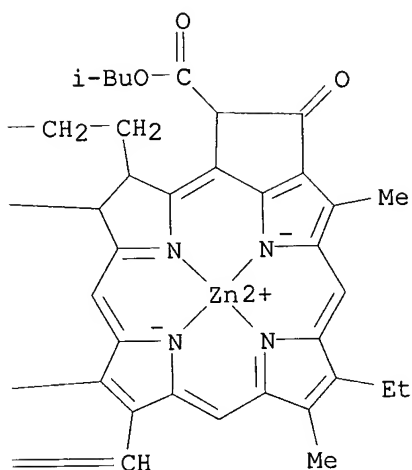
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 9 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289892-36-0 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21S)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(2-
 methylpropoxy)carbonyl]-20-oxo-3-phorbinepropanoate(2-)-
 κN23,κN24,κN25,κN26]-, (SP-4-2)-(9CI) (CA INDEX
 NAME)
 MF C58 H78 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



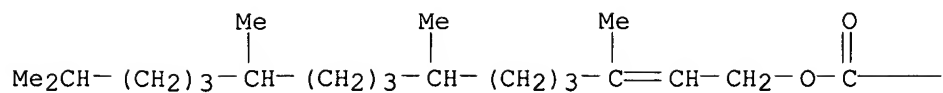
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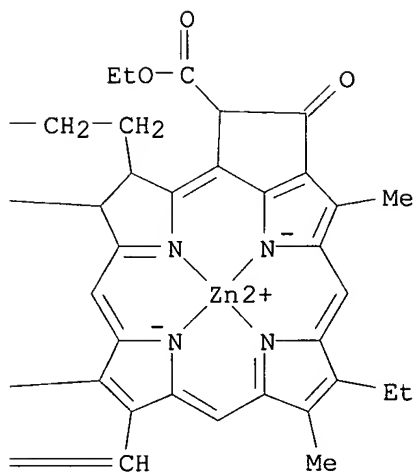
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L15 ANSWER 10 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289892-33-7 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21S)-9-ethenyl-21-(ethoxycarbonyl)-14-ethyl-4,8,13,18-tetramethyl-
20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN25,κN2
6]-, (SP-4-2)- (9CI) (CA INDEX NAME)
MF C56 H74 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



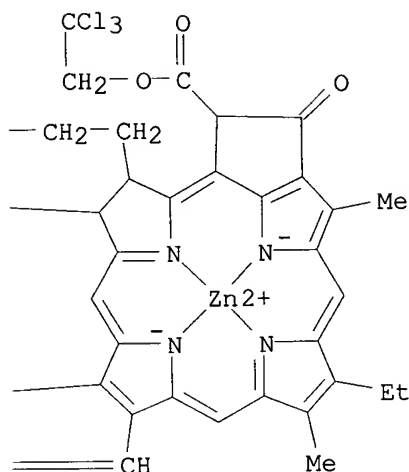
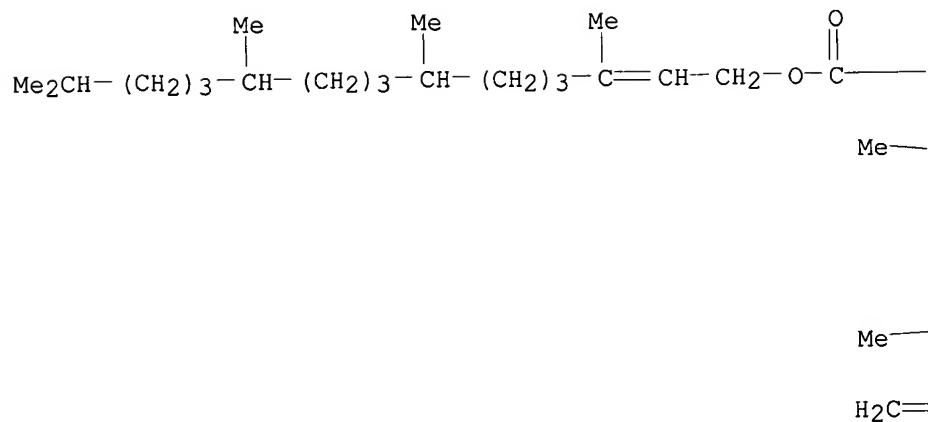
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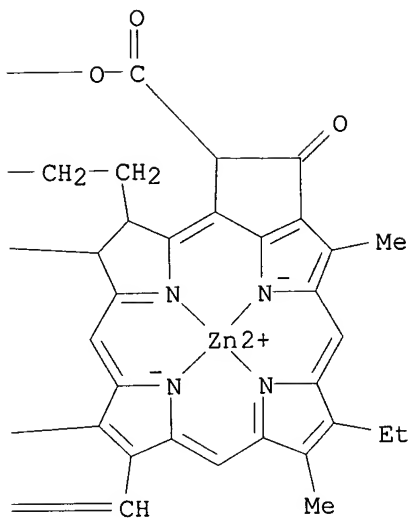
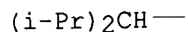
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 11 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289889-01-6 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-21-[(2,2,2-
trichloroethoxy)carbonyl]-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C56 H71 Cl3 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



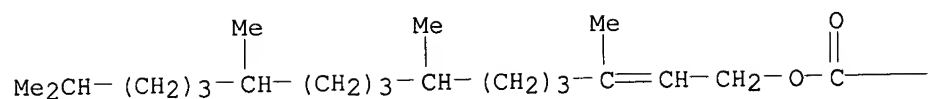
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 12 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289889-00-5 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-
methylethyl)propoxy]carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C61 H84 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



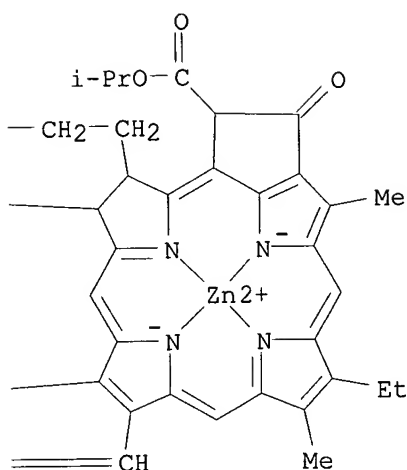
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L15 ANSWER 13 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289888-99-9 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(1-
methylethoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C57 H76 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)
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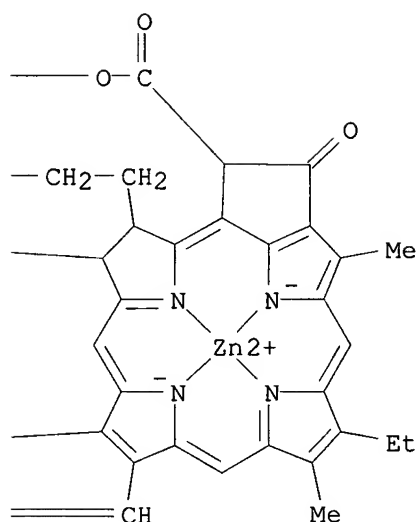
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 14 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289888-98-8 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21R)-21-[(decyloxy)carbonyl]-9-ethenyl-14-ethyl-4,8,13,18-
 tetramethyl-20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN
 25,κN26]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 MF C64 H90 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)

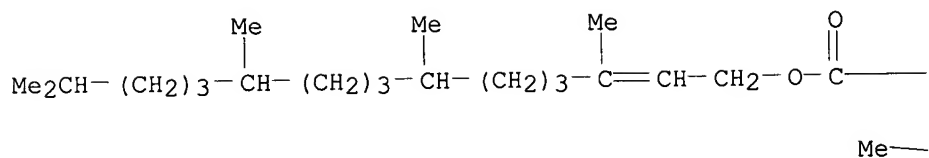


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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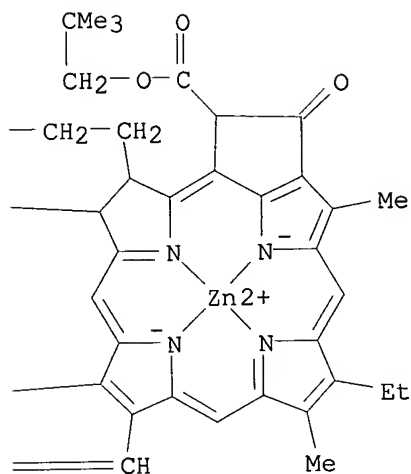
L15  ANSWER 15 OF 31  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   289888-97-7  REGISTRY
CN   Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
      (3S,4S,21R)-21-[(2,2-dimethylpropoxy)carbonyl]-9-ethenyl-14-ethyl-
      4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoato(2-)-
      κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI)  (CA INDEX
      NAME)
MF   C59 H80 N4 O5 Zn
CI   CCS
SR   CA
LC   STN Files:  CA, CAPLUS
DT.CA  Caplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation); PRP (Properties)

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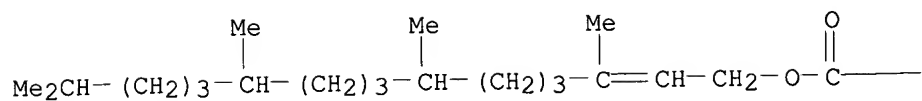
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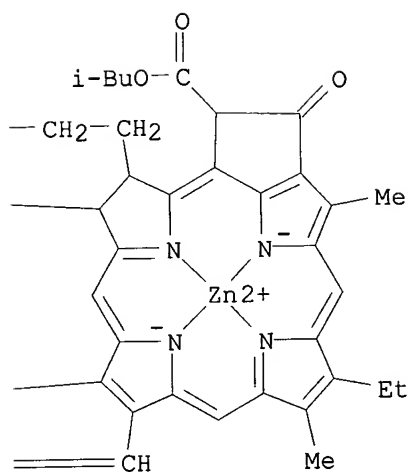
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 16 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289888-96-6 REGISTRY
CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
(3S,4S,21R)-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(2-
methylpropoxy)carbonyl]-20-oxo-3-phorbinepropanoato(2-)-
κN23,κN24,κN25,κN26]-, (SP-4-2)- (9CI) (CA INDEX
NAME)
MF C58 H78 N4 O5 Zn
CI CCS
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



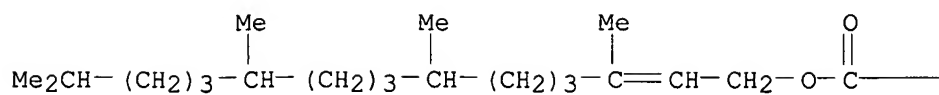
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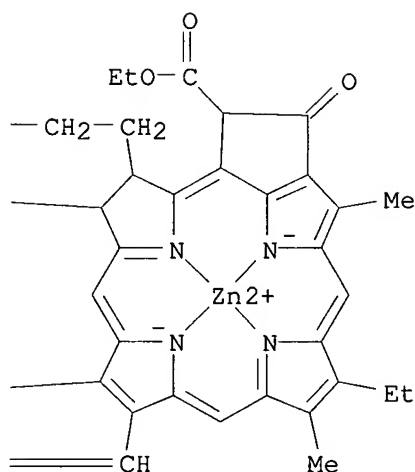
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 17 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289888-95-5 REGISTRY
 CN Zinc, [(2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl
 (3S,4S,21R)-9-ethenyl-21-(ethoxycarbonyl)-14-ethyl-4,8,13,18-tetramethyl-
 20-oxo-3-phorbinepropanoato(2-)-κN23,κN24,κN25,κN2
 6]-, (SP-4-2)- (9CI) (CA INDEX NAME)
 MF C56 H74 N4 O5 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties)



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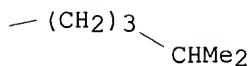
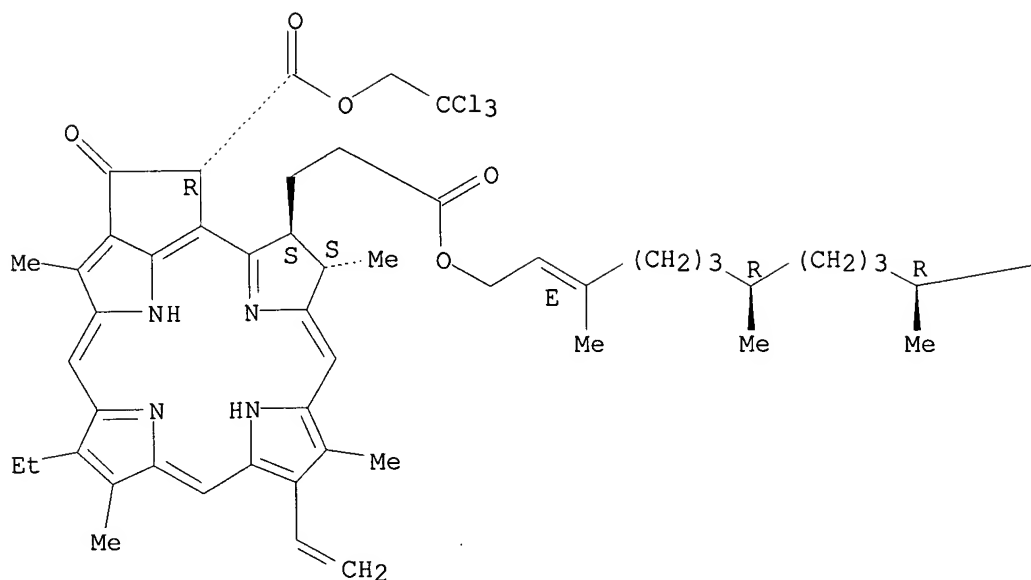
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 18 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 289626-68-2 REGISTRY
 CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-21-[(2,2,2-trichloroethoxy)carbonyl]-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C56 H73 Cl3 N4 O5
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
 Double bond geometry as shown.

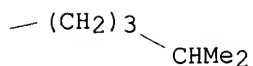
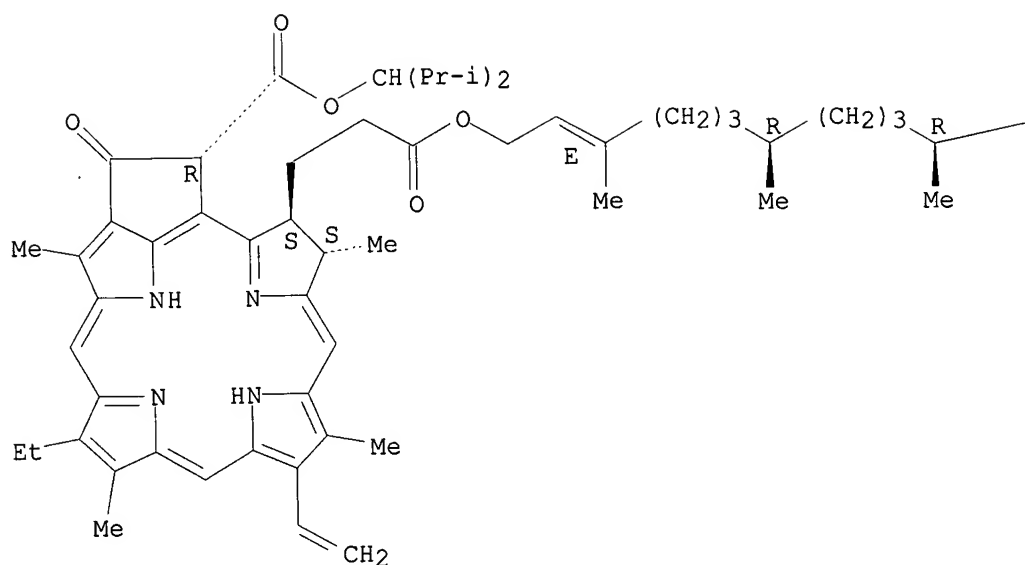


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L15 ANSWER 19 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-67-1 REGISTRY
CN 3-Phorbylpropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[[2-methyl-1-(1-methylethyl)propoxy]carbonyl]-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C61 H86 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

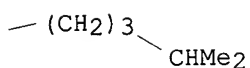
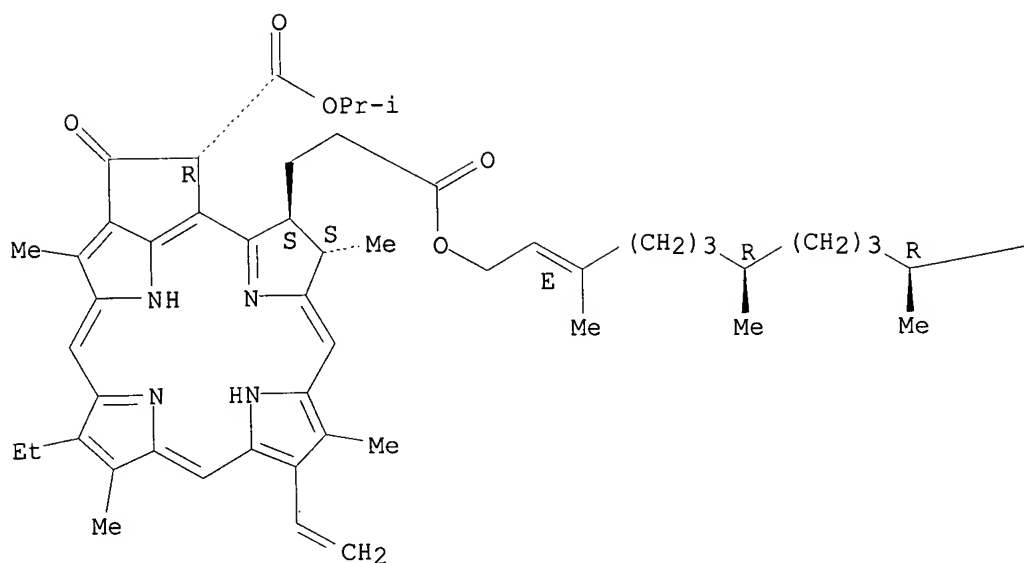


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 20 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-66-0 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(1-methylethoxy)carbonyl]-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C57 H78 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

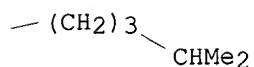
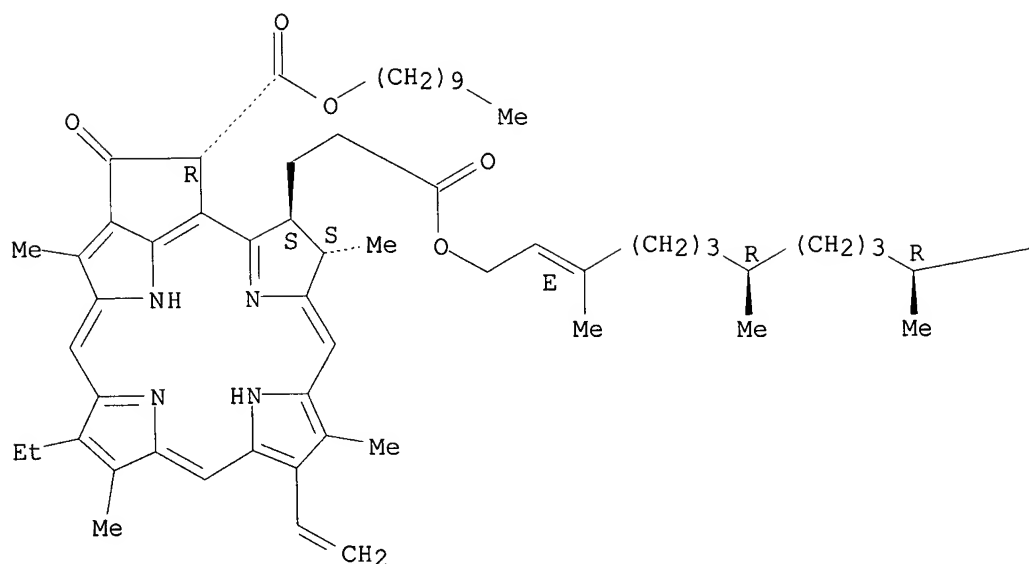


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 21 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-65-9 REGISTRY
CN 3-Phorbinepropanoic acid, 21-[(decyloxy)carbonyl]-9-ethenyl-14-ethyl-
4,8,13,18-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-
hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C64 H92 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

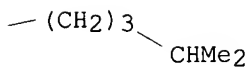
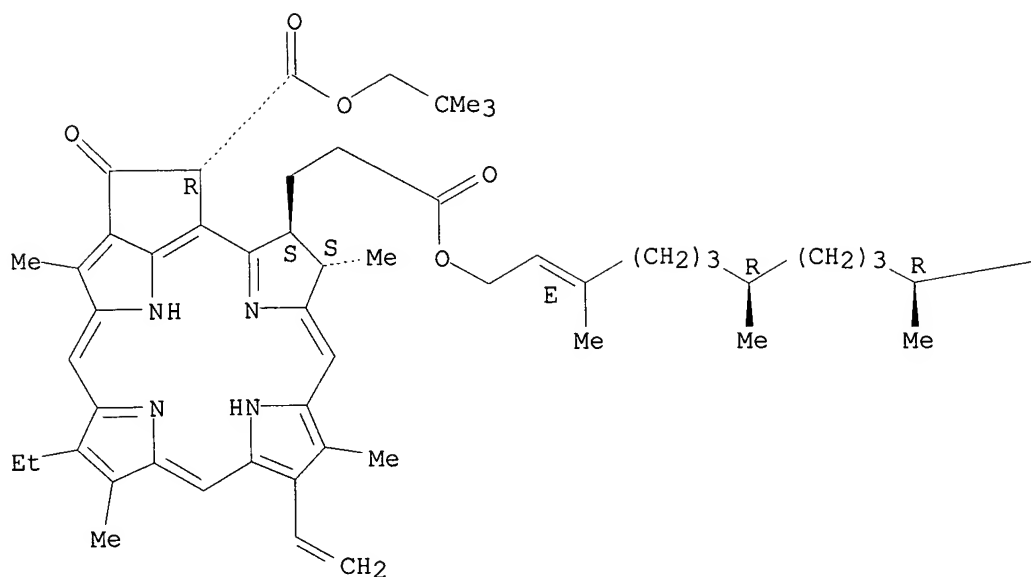


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 22 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-64-8 REGISTRY
CN 3-Phorbinepropanoic acid, 21-[(2,2-dimethylpropoxy)carbonyl]-9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C59 H82 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAPLUS document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

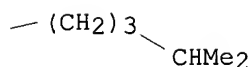
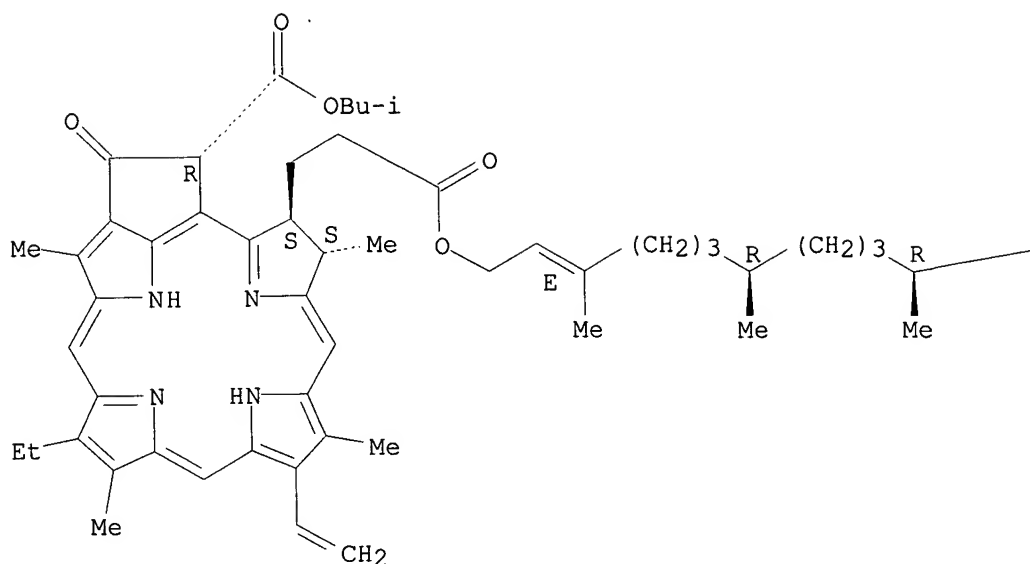


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 23 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-63-7 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-[(2-methylpropoxy)carbonyl]-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C58 H80 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.

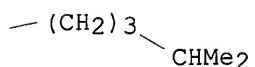
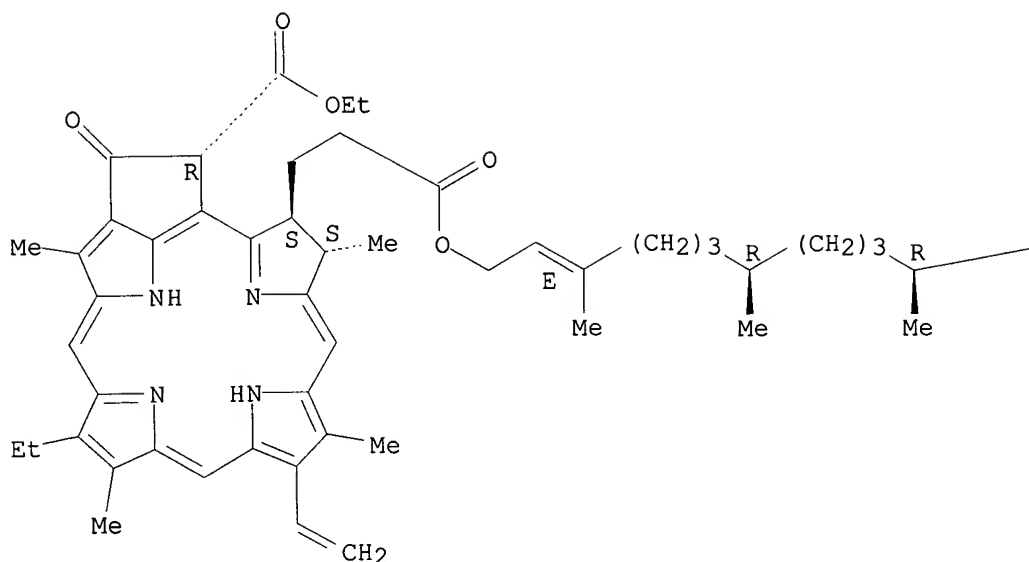


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 24 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 289626-62-6 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-21-(ethoxycarbonyl)-14-ethyl-4,8,13,18-tetramethyl-20-oxo-, (2E,7R,11R)-3,7,11,15-tetramethyl-2-hexadecenyl ester, (3S,4S,21R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C56 H76 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 25 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN

RN 180323-74-4 REGISTRY

CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-21-[(2-hydroxyethoxy)carbonyl]-4,8,13,18-tetramethyl-20-oxo-, methyl ester, [3S-(3 α ,4 β ,21 β)]- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C37 H40 N4 O6

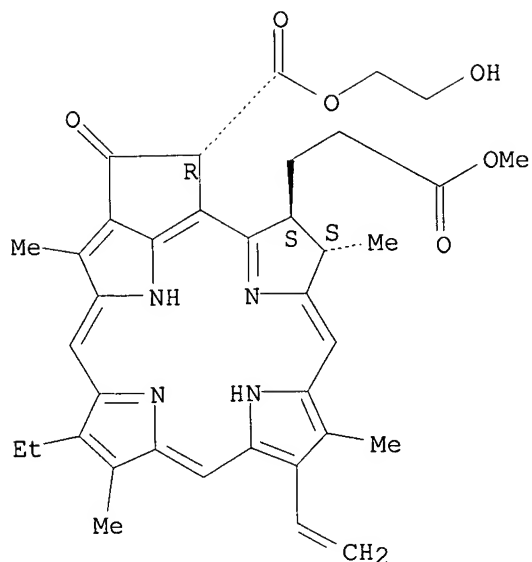
SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.

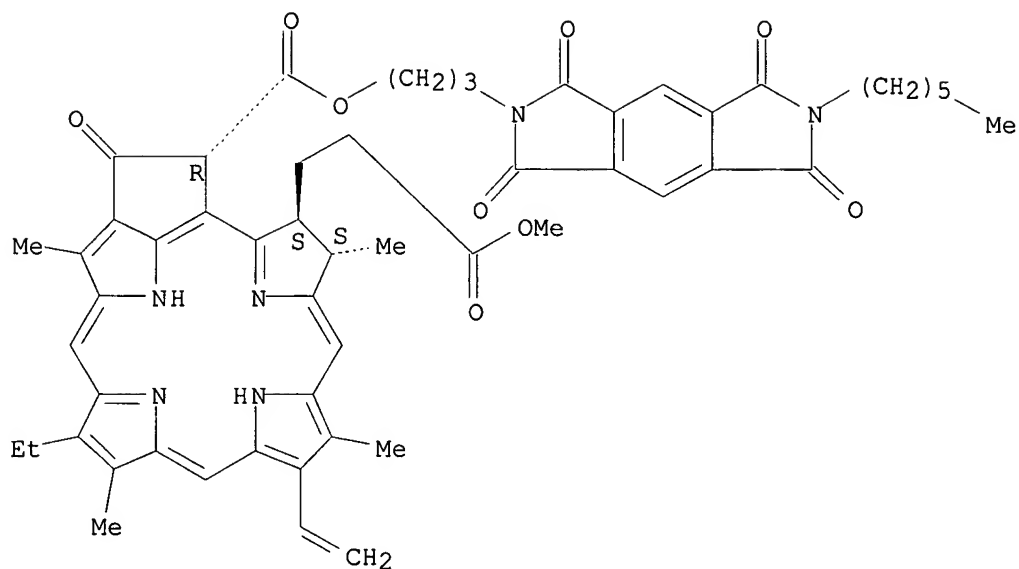


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 26 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 180199-18-2 REGISTRY
CN 3-Phorbinopropanoic acid, 9-ethenyl-14-ethyl-21-[[3-(6-hexyl-3,5,6,7-tetrahydro-1,3,5,7-tetraoxobenzo[1,2-c:4,5-c']dipyrrol-2(1H)-yl)propoxy]carbonyl]-4,8,13,18-tetramethyl-20-oxo-, methyl ester, [3S-(3 α ,4 β ,21 β)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C54 H56 N6 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.

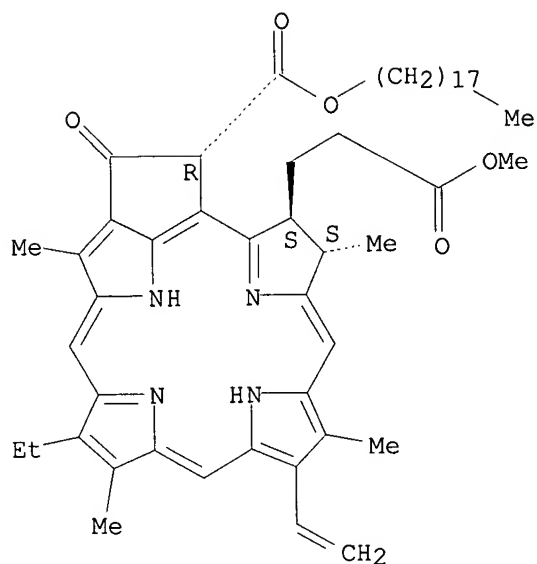


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 27 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 180199-17-1 REGISTRY
 CN 3-Phorbinopropanoic acid, 9-ethenyl-14-ethyl-4,8,13,18-tetramethyl-21-
 [(octadecyloxy)carbonyl]-20-oxo-, methyl ester, [3S-
 (3 α ,4 β ,21 β)]- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C53 H72 N4 O5
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Journal
 RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.

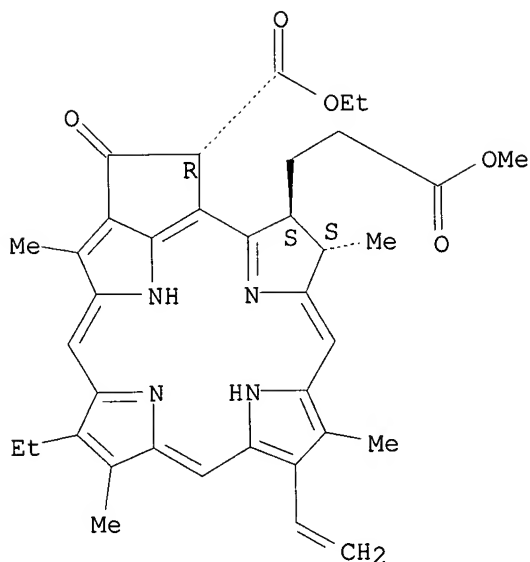


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 28 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 180199-16-0 REGISTRY
CN 3-Phorbinopropanoic acid, 9-ethenyl-21-(ethoxycarbonyl)-14-ethyl-4,8,13,18-
tetramethyl-20-oxo-, methyl ester, [3S-(3 α ,4 β ,21 β)]- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C37 H40 N4 O5
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 29 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN

RN 111512-01-7 REGISTRY

CN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, 1-[2-[[[9-ethenyl-14-ethyl-3-(3-methoxy-3-oxopropyl)-4,8,13,18-tetramethyl-20-oxo-21-phorbiny]carbonyl]oxy]ethyl] ester, [3S-(3 α ,4 β ,21 α)]-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phorbine, glycine deriv.

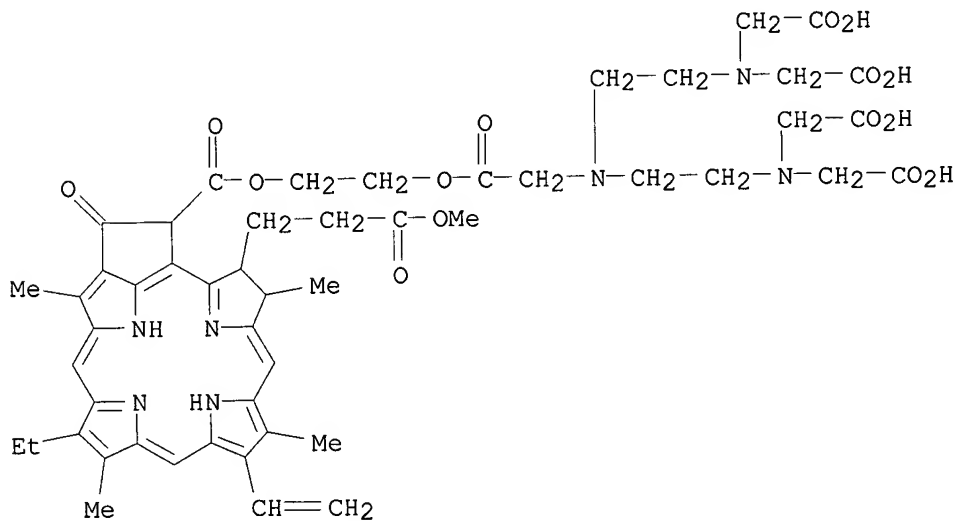
MF C51 H61 N7 O15

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

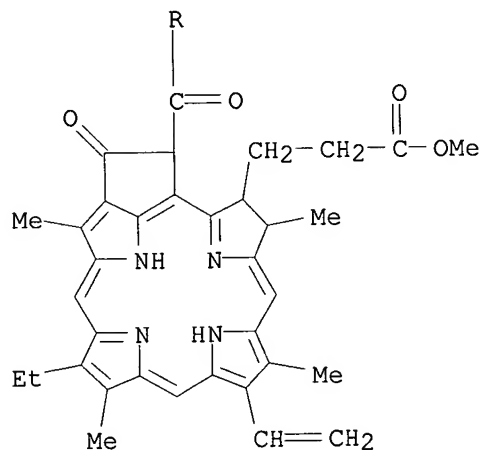
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)



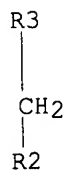
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

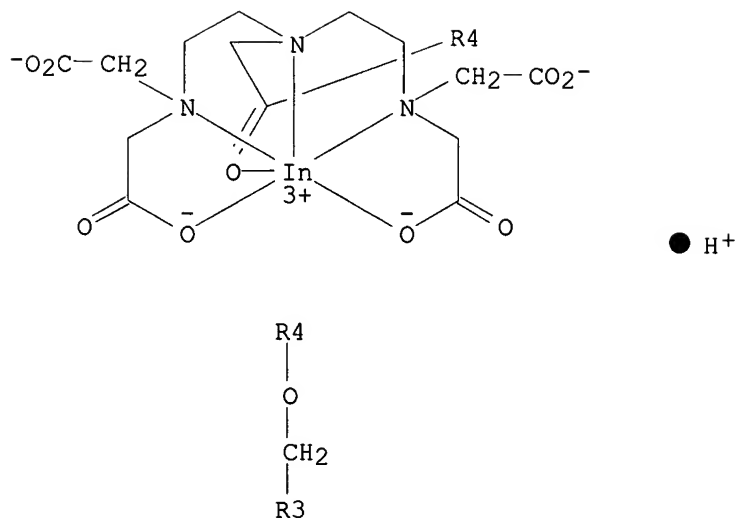
L15 ANSWER 30 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 111489-36-2 REGISTRY
CN Indate(1-), [mono[2-[[[9-ethenyl-14-ethyl-3-(3-methoxy-3-oxopropyl)-
4,8,13,18-tetramethyl-20-oxo-21-phorbiny]carbonyl]oxy]ethyl]
N,N-bis[2-[bis(carboxymethyl)amino]ethyl]glycinato(4-)]-, hydrogen (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glycine, N,N-bis[2-[bis(carboxymethyl)amino]ethyl]-, mono[2-[[[9-ethenyl-
14-ethyl-3-(3-methoxy-3-oxopropyl)-4,8,13,18-tetramethyl-20-oxo-21-
phorbiny]carbonyl]oxy]ethyl] ester, indium complex
CN Phorbine, glycine deriv., indium complex
CN Phorbine, indate(1-) deriv.
MF C51 H57 In N7 O15 . H
CI CCS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation)
CRN (773810-17-6)

PAGE 1-A



PAGE 2-A

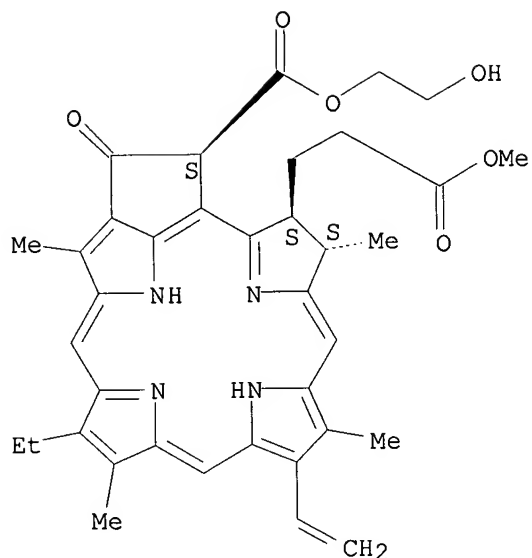




1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 31 OF 31 REGISTRY COPYRIGHT 2005 ACS on STN
RN 97965-27-0 REGISTRY
CN 3-Phorbinepropanoic acid, 9-ethenyl-14-ethyl-21-[(2-hydroxyethoxy)carbonyl]-4,8,13,18-tetramethyl-20-oxo-, methyl ester, [3S-(3 α ,4 β ,21 α)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C37 H40 N4 O6
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

432.53

990.42

STN INTERNATIONAL LOGOFF AT 16:42:14 ON 26 JAN 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptamlf1623

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
 STN Express with Discover!
 NEWS 4 OCT 28 KOREAPAT now available on STN
 NEWS 5 NOV 30 PHAR reloaded with additional data
 NEWS 6 DEC 01 LISA now available on STN
 NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004
 NEWS 8 DEC 15 MEDLINE update schedule for December 2004
 NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness
 alerts (SDIs) affected
 NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness
 alerts (SDIs) affected
 NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness
 alerts (SDIs) affected
 NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness
 alerts (SDIs) affected
 NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
 NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
 NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
 NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
 February 2005
 NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian
 Agency for Patents and Trademarks (ROSPATENT)

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
 specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:46:19 ON 26 JAN 2005

=> cile registry

CILE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
 For a list of commands available to you in the current file, enter
 "HELP COMMANDS" at an arrow prompt (=>).

=> file registry

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 16:46:31 ON 26 JAN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JAN 2005 HIGHEST RN 820208-08-0
DICTIONARY FILE UPDATES: 25 JAN 2005 HIGHEST RN 820208-08-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

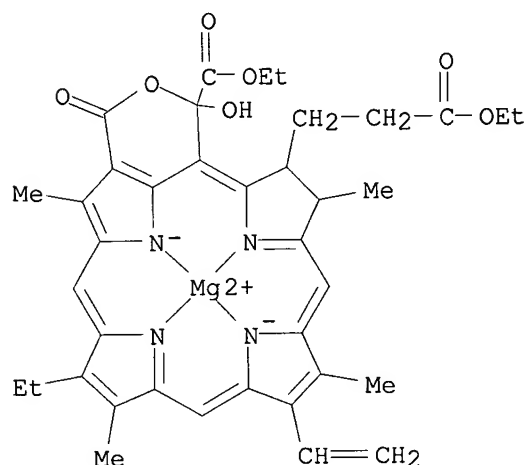
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 15653-97-1
L1 1 15653-97-1
(15653-97-1/RN)

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN **15653-97-1** REGISTRY
CN Magnesium, [ethyl (15S,16S,18R)-10-ethenyl-18-(ethoxycarbonyl)-5-ethyl-
1,16,18,20-tetrahydro-18-hydroxy-6,11,15,22-tetramethyl-20-oxo-15H-9,12-
imino-21,2-metheno-4,7:17,14-dinitrilopyrano[4,3-b]azacyclononadecine-16-
propanoato(2-)-κN1,κN23,κN24,κN25]-, (SP-4-2)-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Chlorine, diethyl ester, magnesium deriv. (6CI)
MF C38 H40 Mg N4 O7
CI CCS
LC STN Files: CAOLD



1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

2.27

2.48

FILE 'REGISTRY' ENTERED AT 16:46:52 ON 26 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JAN 2005 HIGHEST RN 820208-08-0
DICTIONARY FILE UPDATES: 25 JAN 2005 HIGHEST RN 820208-08-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L1 1 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L2 1 15653-97-1/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL CAOLD

COST IN U.S. DOLLARS

SINCE FILE
ENTRY
0.51

TOTAL
SESSION
2.99

FULL ESTIMATED COST

FILE 'CAOLD' ENTERED AT 16:46:56 ON 26 JAN 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate
substance identification. Title keywords, authors, patent
assignees, and patent information, e.g., patent numbers, are
now searchable from 1907-1966. TIFF images of CA abstracts
printed between 1907-1966 are available in the PAGE
display formats.

This file supports REGlstrY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> S L2

L3 1 L2

=> DIS L3 1

L3 ANSWER 1 OF 1 CAOLD COPYRIGHT 2005 ACS on STN
AN CA52:10299f CAOLD
TI phase test intermediate and the allomerization of chlorophyll a
AU Holt, A. Stanley
IT 15653-97-1 15741-04-5 16103-85-8 128552-37-4 129001-91-8

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptamlf1623

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS EXPRESS			JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items